

# TRAVEL LIGHT. BRING THE KITCHEN SINK WITHYOU.





Best Buy, Laptop Buyer's Guide & Handbook, May 2000

Oh, the challenges of packing. Do you bring last month's multimedia presentations, the latest auto racing game, or your financial management software? Now you don't have to make those tough choices at all. Unlike your suitcase, the Inspiron™ 5000 holds just about everything. Powered by a Pentium® III processor at up to 750MHz with Intel® SpeedStep™ technology, your notebook will run at the right speed for the apps you're using — helping to maximize battery life. And, with a versatile media bay and up to a 15 inch Super XGA+high-res screen, everything you need for your trip still fits into a 1.6 inch carrying case. Unfortunately, you can't bring your favorite chair, too.

#### **DELL™ INSPIRON™ 5000**

Performance and Mobility Notebook

- Intel® Pentium® III Processor at 600MHz Featuring Intel® SpeedStep™ Technology
- 15" Super XGA+ Active Matrix Display
- 32MB SDRAM; 6.0GB<sup>5</sup> Ultra ATA Hard Drive
- Modular 24X Max Variable CD-ROM/Floppy Drive
- 2X AGP 8MB ATI RAGE Mobility<sup>™</sup>-P 3D® Video
- 52WHr Lithium Ion Battery MS® Office 2000 Small Business ■ MS® Windows® 98, SE ■ 3-Yr NBD On-site Service⁴

\$2199 © E-VALUE CODE 05830-890721

BUSINESS LEASE: \$74/MO., 36 MOS.

■ Removable 8X DVD-ROM Drive, add \$149



THE E-VALUE CODE.

Match our latest technology with our latest prices.

Enter the E-VALUE code
online or give it to your sales rep over the phone.

www.dell.com/evalue

USE THE POWER OF



GET EXACTLY WHAT YOU'RE LOOKING FOR.

800.627.1420

WWW.DELL.COM

Includes Windows 98, Second Edition — the home version of the world's favorite software.

Call: M-F 7a-9p | Sat 10a-6p | Sun 12p-5p CT | Canada: 800-232-6306 | Mexico: 001-877-269-3379 | GSA Contract #GS-35F-4076D

#### **DELL™ BUSINESS DESKTOPS:**

#### DELL™ DIMENSION™ L500

#### Affordable Desktop

- Intel® Celeron™ Processor at 500MHz
- 32MB SDRAM (up to 512MB)
- 7.5GB<sup>5</sup> Ultra ATA HD (up to 20GB<sup>5</sup>)
- 15" (13.8" vis) E550 Monitor
- Intel® 3D® AGP Graphics; 48X Max CD-ROM
- SB 64V Integrated Sound
- Intel® 10/100 Ethernet Controller
- MS® Windows® 98 & MS® Works Suite 2000 and Norton® AntiVirus™ 2000
- 3-Yr Ltd. Warranty²; 1-Yr NBD On-site Service⁴

\$699 **E-VALUE CODE** 05831-590706 BUSINESS LEASE: \$23/MO., 36 MOS."

#### **DELL™ DIMENSION™** L667

#### Affordable Desktop

- Intel® Pentium® III Processor at 667MHz
- 32MB SDRAM (up to 512MB)
- 7.5GB<sup>5</sup> Ultra ATA HD (up to 20GB<sup>5</sup>)
- 15" (13.8" vis) E550 Monitor
- Intel® 3D® AGP Graphics; 48X Max CD-ROM
- SB 64V Integrated Sound
- Intel® 10/100 Ethernet Controller
- MS® Windows® 98 & MS® Works Suite 2000 and Norton® AntiVirus™ 2000
- 3-Yr Ltd. Warranty<sup>2</sup>; 1-Yr NBD On-site Service<sup>4</sup>

BUSINESS LEASE: \$27/MO., 36 MOS."

#### **DELL™ OPTIPLEX™** GX110

#### Network-Optimized Managed PC

- Intel® Pentium® III Processor at 733MHz
- 64MB SDRAM (up to 512MB)
- 10GB<sup>5</sup> SMART II Ultra ATA HD (up to 30GB<sup>5</sup>)
- 15" (13.8" vis) E550 Monitor (up to Flat Panel)
- Intel® 3D® AGP Graphics; 48X Max CD-ROM
- Integrated AC97 Audio; harman/kardon Speakers
- Integrated 3Com® 10/100 NIC
- NEW Microsoft® Windows® 2000 Professional
- OptiFrame™ Small Form Factor Tool-less Chassis
- 3-Yr NBD On-site Service<sup>4</sup>

BUSINESS LEASE: \$45/MO.. 36 MOS."

#### **DELL™ BUSINESS NOTEBOOKS:**

#### **DELL™ INSPIRON™** 3800

#### Design and Affordability Notebook

- Intel® Celeron™ Processor at 500MHz
- 12.1" SVGA Active Matrix Display
- 32MB SDRAM; 4.8GB<sup>5</sup> Ultra ATA HD ■ Modular 24X Max Variable CD-ROM
- 2X AGP 8MB ATI RAGE Mobility™-P 3D® Video
- Microsoft® Windows® 98, Second Edition
- 1-Yr NBD On-site Service<sup>4</sup>

BUSINESS LEASE: \$47/MO., 36 MOS." ■ 3-Yr NBD On-site Service<sup>3</sup>, add \$149

#### ■ NEW Microsoft® Works Suite 2000

#### **DELL™ INSPIRON™** 5000

#### Performance and Mobility Notebook

- Intel® Celeron™ Processor at 500MHz
- 15" XGA Active Matrix Display
- 32MB SDRAM; 6.0GB<sup>5</sup> Ultra ATA HD
- Modular 24X Max Variable CD-ROM/Floppy Drive
- 2X AGP 4MB ATI RAGE Mobility™-P 3D® Video
- 52WHr Lithium Ion Battery
- Microsoft® Office 2000 Small Business
- Microsoft® Windows® 98, Second Edition
- 3-Yr NBD On-site Service<sup>4</sup>

\$1979 © E-VALUE CODE 05831-890719

BUSINESS LEASE: \$66/MO., 36 MOS." ■ Upgrade to CompleteCare™ Service<sup>20</sup>, add \$169

#### **DELL™ LATITUDE™** CPt

#### Network-Optimized Notebook

- Intel® Celeron™ Processor at 500MHz
- 12.1" SVGA Active Matrix Display
- 32MB SDRAM; 4.8GB<sup>5</sup> Ultra ATA HD
- Modular 24X Max CD-ROM/Floppy Drive
- Microsoft® Windows® 98, Second Edition
- Li-lon Battery w/ExpressCharge™ Technology
- Dual Pointing Touchpad and Pointing Stick
- Internal 56K Capable<sup>6</sup> SoftModem
- 1-Yr NBD On-site Service<sup>4</sup>

\$1499 **©** E-VALUE CODE 05831-790714 BUSINESS LEASE: \$52/MO., 36 MOS.

■ Upgrade to 14.1" Active Matrix Display, add \$250

#### DELL™ SERVERS AND WORKSTATIONS:

#### DELL™ POWEREDGE™ 1300

#### Affordable Entry Level Server

- Intel® Pentium® III Processor at 600MHz (up to 800MHz)
- Dual Processor/RAID Capable
- 64MB 100MHz ECC SDRAM (up to 1GB)
- 9GB<sup>5</sup> 7200 RPM Ultra-2/LVD SCSI HD (up to 36GB<sup>5</sup>)
- 108GB Internal Storage Capacity
- NIC & Integrated SCSI Controllers; 40X Max CD-ROM
- Dell<sup>™</sup> OpenManage<sup>™</sup> Server Management Solutions
- 3-Yr NBD On-site Service<sup>4</sup>; 7x24 Phone Support

\$1599 **Servalue CODE** 05831-290715 BUSINESS LEASE: \$56/MO., 36 MOS.

- NEW Microsoft® Windows® 2000 Server, add \$799
- Second Intel® Pentium® III Processor at 600MHz, add \$449

#### DELL™ POWEREDGE™ 2400

#### Workgroup Server

- Intel® Pentium® III Processor at 667MHz (up to 866MHz)
- Dual Processor Capable
- 64MB 133MHz ECC SDRAM (up to 2GB)
- 9GB<sup>5</sup> 7200 RPM Ultra-2/LVD SCSI HD (up to 36GB<sup>5</sup>)
- Up to 288GB Hot-swappable Internal Storage Capacity
- Integrated NIC/SCSI Controllers; 40X Max CD-ROM
- Dell<sup>™</sup> OpenManage<sup>™</sup> Server
- Management Solutions ■ 3-Yr NBD On-site Service<sup>4</sup>; 7x24 Phone Support

2499 © E-VALUE CODE 05831-290724 BUSINESS LEASE: \$87/MO., 36 MOS.

- Single-channel RAID with 64MB Cache,
- Red Hat® Linux™ 6.2, add \$149

#### **DELL™ PRECISION™** 420

#### Advanced Performance Workstation

- Intel® Pentium® III Processor at 667MHz (up to 933MHz)
- Dual Processor/RAID Capable
- 128MB RDRAM (up to 1GB)
- 40GB<sup>5</sup> 7200 RPM EIDE HD (up to 36GB5 10K U160/M SCSI)
- 17" (16.0" vis) P780 FD Trinitron® Monitor
- 32MB 4X AGP Synergy Force Graphics Card
- Integrated NIC & Sound; 48X Max CD-ROM
- NEW Microsoft® Windows® 2000 Professional
- 3-Yr NBD On-site Service<sup>4</sup>
- 7x24 Dedicated Workstation Phone Tech Support

\$2679 © E-VALUE CODE 05831-490726a BUSINESS LEASE: \$94/MO., 36 MOS.11

#### **DELL™ HOME DESKTOPS:**

#### **DELL™ HOME NOTEBOOKS:**

#### **DELL™ DIMENSION™** L Series

#### Affordable Desktop Solution

- Intel® Pentium® III Processor at 667MHz
- 64MB SDRAM
- 7.5GB<sup>5</sup> Ultra ATA Hard Drive
- 15" (13.8" vis) E550 Monitor
- Intel® 3D® AGP Graphics
- 48X Max CD-ROM Drive
- SoundBlaster 64V PCI LC Sound Card
- PC Speakers
- V.90 56K Capable<sup>6</sup> PCI DataFax Modem for Windows<sup>®</sup>
- MS® Works Suite 2000 MS® Windows® 98, SE
- 3-Yr Limited Warranty<sup>2</sup> 1-Yr At-Home Service<sup>4</sup>

\$899 © 6-VALUE CODE 05831-500708
As low as \$25/Mo., for 48 Mos.<sup>17</sup>

#### **DELL™ INSPIRON™** 3800

#### Design and Affordability

- Intel® Celeron™ Processor at 500MHz
- 14.1" XGA TFT Display
- 32MB 100MHz SDRAM
- 4.8GB<sup>5</sup> Ultra ATA Hard Drive
- Modular 24X Max CD-ROM
   2X AGP 8MB ATI RAGE Mobility™-M1 3D® Video
- 53WHr Lithium Ion Battery with ExpressCharge™ Technology
- MS® Works Suite 2000 MS® Windows® 98, SE
- 1-Yr Limited Warranty<sup>2</sup>
- 1-Yr Next-Business-Day On-site Service<sup>4</sup>

\$1649 © E-VALUE CODE 05831-800716a

As low as \$45/Mo., for 48 Mos.

#### **DELL™ DIMENSION™** XPS T Series

#### High Performance, Great Value

- Intel® Pentium® III Processor at 700MHz
- 128MB SDRAM
- 20GB<sup>5</sup> Ultra ATA Hard Drive
- 17" (16.0" vis, .26dp) M781 Monitor
- 32MB NVIDIA GeForce AGP Graphics Card
- 48X Max CD-ROM Drive
- SB Live! Value Digital Sound Card
- Altec Lansing® ACS-340™ Speakers with Subwoofer
- V.90 56K Capable<sup>6</sup> PCI Telephony Modem for Windows<sup>®</sup>
- MS® Works Suite 2000 MS® Windows® 98, SE
- 3-Yr Limited Warranty<sup>2</sup> 1-Yr At-Home Service<sup>4</sup>

As low as \$41/Mo., for 48 Mos.<sup>1</sup>

#### DELL™ INSPIRON™ 5000

#### Performance and Mobility

- Intel® Pentium® III Processor at 600MHz Featuring Intel® SpeedStep™ Technology³4
- 15" XGA Active Matrix Display
- 64MB 100MHz SDRAM
- 6.0GB<sup>5</sup> Ultra ATA Hard Drive
- Modular 32X Max CD-ROM
- 2X AGP 8MB ATI RAGE Mobility<sup>™</sup>-P 3D® Video
- 52WHr Lithium Ion Battery
- Internal V.90 56K Capable<sup>6</sup> FaxModem
- MS® Works Suite 2000 MS® Windows® 98, SE
- 3-Yr Limited Warranty<sup>2</sup>
- 3-Yr Next-Business-Day On-site Service<sup>4</sup>

\$2179 © E-VALUE CODE 05831-800721a

As low as \$60/Mo., for 48 Mos.

#### **DELL™ DIMENSION™** XPS B Series

#### Cutting-Edge Technology

- Intel® Pentium® III Processor at 933MHz
- 128MB RDRAM
- 30GB<sup>5</sup> Ultra ATA Hard Drive
- 17" (16.0" vis, .24 .25AG) P780 FD Trinitron® Monitor
- 32MB NVIDIA GeForce 4X AGP Graphics Card
- 12X Max DVD-ROM Drive
- SB Live! Value Digital Sound Card
- Harman Kardon HK-595 Surround Sound Speakers with Subwoofer
- V.90 56K Capable<sup>6</sup> PCI Telephony Modem for Windows<sup>®</sup>
- MS® Works Suite 2000 MS® Windows® 98, SE
- 3-Yr Limited Warranty<sup>2</sup> 1-Yr At-Home Service<sup>4</sup>

#### **DELL™ INSPIRON™** 7500

#### Mobile Desktop

- Intel® Pentium® III Processor at 600MHz Featuring Intel® SpeedStep™ Technology³4
- 15.4" Super XGA TFT Display
- 96MB 100MHz SDRAM
- 12GB<sup>5</sup> Ultra ATA Hard Drive
- Removable Combo 24X Max CD-ROM with Floppy Drive
- 2X AGP 8MB ATI RAGE Mobility<sup>™</sup>-P 3D® Video
- 79WHr Lithium Ion Battery
- Internal V.90 56K Capable FaxModem
- MS° Works Suite 2000 MS° Windows° 98, SE
- 3-Yr Limited Warranty<sup>2</sup>
- 3-Yr Next-Business-Day On-site Service<sup>4</sup>

\$2699 © E-VALUE CODE 05831-800726a

As low as \$74/Mo., for 48 Mos.



Includes Windows 98, Second Edition — the home version of the world's favorite software.

Dell recommends Windows 2000 Professional for business.

Phone Hours: M-F 7a-9p Sat 10a-6p Sun 12p-5p CT In Canada, call 800-232-6306 In Mexico, call 001-877-269-3379 GSA Contract #GS-35F-4076D "Monthly payments based on 13.99% APR. APR FOR QUALIFIED CUSTOMERS VARIES BY CREDITWORTHINESS OF CUSTOMER AS DETERMINED BY DELL FINANCIAL SERVICES L.P. Taxes & shipping charges extra, and vary; they are due with 1st payment unless included in the amount financed. Purchase Plan from Dell Financial Services L.P. to U.S. state residents (including D.C.) with approved credit, excluding AR and MN residents. Availability may be limited or offer may vary in other states.

Vary In other states.

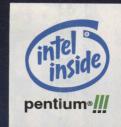
Prices, specifications, and availability may change without notice. Taxes and shipping charges extra, and vary. Cannot be combined with other offers or discounts. U.S. only. "For a copy of our Guarantees or Limited Warranties, write Dell USA L.P., Attn: Warranties, One Dell Way, Round Rock, Fexas 78682." At-Home or on-site service provided via third-party contract with customer. Availability varies. Technician will be dispatched, if necessary, following phone-based troubleshooting. To receive Next-Business-Day service, Dell must notify the service provider before 5pm (customer's time). Other conditions apply. "For hard drives, GB means 1 billion bytes; accessible capacitry varies with operating environment. "Download speeds limited to 53Kbps. Upload speeds are less (about 30Kbps) and vary by modem manufacturer and online conditions. Analog phone line and compatible server required. "Business leasing arranged by Dell Financial Service L.P., an independent entity, to qualified customers. Lease payments based on a 36-month 10% purchase option lease and do not include taxes, fees and shipping charges. Subject to credit approval and availability. Lease terms and pricing subject to change without notice. "CompleteCare service excludes theft, loss, and damage due to fire or intentional damage. CompleteGare is currently not available in all states." The processor may be reduced to a lower operating speed when operating on battery power. Intel, the Intel Inside logo, and Pentium are registered trademarks and Intel SpeedStep, Pentium III Xeon, and Celeron are trademarks of Intel Corporation. MS, Microsoft, BackOffice, IntelliMouse, Windows NT, and Windows are registered trademarks and OpenView is a trademark of 4ewlett-Packard Corporation. Finitron is a registered trademarks and OpenView is a trademark of Forporation. All rights reserved.



USE THE POWER OF THE E-VALUE CODE.

Match our latest technology with our latest prices. Enter the E-VALUE code online or give it to your sales rep over the phone. www.dell.com/evalue





# WHEN THEY TELL TO GET IT DONE PESTERDAY, YOU ACTUALLY HAVE A CHANCE.



Flat Panel Monitor Sold as an Upgrade

Talk about maximizing productivity. This Dimension™ XPS T system packs a punch into an affordable package. Which means, of course, that you can work even more efficiently—harnessing one of the latest Intel® Pentium® III processors with speeds of up to 850MHz. Add up to 768MB RAM and an 8X CD-RW for increased productivity and look out; you'll be capable of doing the work of five people without even breaking a sweat. Wait a minute—is that a good thing?

#### **DELL™ DIMENSION™ XPS T**

Affordable Desktop Pentium® III Processor Performance

- Intel® Pentium® III Processor at 700MHz
- 128MB SDRAM (up to 768MB)
- 10GB<sup>5</sup> Ultra ATA HD (up to 40GB<sup>5</sup>)
- 17" (16.0" vis) E770 Monitor
- 16MB ATI Graphics Card; 48X Max CD-ROM
- SoundBlaster 64V Sound Card and harman/kardon Speakers
- V.90/56K<sup>6</sup> PCI Telephony Modem for Windows®
- MS\* Windows\* 98 & Office 2000 Small Business
- 3-Yr Ltd. Warranty<sup>2</sup>; 1-Yr NBD On-site Service<sup>4</sup>

299 © E-VALUE CODE 05832-590712a

BUSINESS LEASE: \$44/MO., 36 MOS.1

■ Upgrade to 20GB<sup>5</sup> Ultra ATA HD (7200 RPM), add \$60



THE E-VALUE CODE. Match our latest technology with our latest prices. Enter the E•VALUE code sales rep over the phone. www.dell.com/evalue

USE THE POWER OF



GET EXACTLY WHAT YOU'RE LOOKING FOR.

800.627.1420

WWW.DELL.COM

# **Easy Steps** to Buy More

Get on the internet

Type in www.buymoreproduct.com

You're there...Buy More, Buy Easily



- COMPUTERS
- PRINTERS
- DISPLAYS
- STORAGE
- MEMORY
- SOFTWARE
- COMMUNICATIONS
- NETWORKING
- INPUT DEVICES
- MULTIMEDIA
- CONSUMABLES
- ACCESSORIES
- POWER & UPS
- GRAPHICS

#### Visit us at www.buymoreproduct.com





- BuyMore Product accepts all major credit cards via secure Internet transaction or over the telephone
- BuyMore Product ships both domestically and internationally
- Ask about BuyMore Product's business-to-business payment options

typography or photography. Prices and specifications may be changed without notice; prices do not include shipping and handling and any applicable taxes. All trademarks are the property of their respective holders.

#### Special Deals On OkiData® Printers

#### OkiPage® 6w

#### \$**184**00

The best value for professional-looking documents for office, home or school.



- •6 pages per minute •600 dpi class
- •100-sheet external autofeeder Digital LED output
- •1-year limited warranty on parts and labor with Overnigh Exchange and industry's only 5-year printhead warranty

#### OkiPage 24DX \$1.07500

Get on the fast track to success with the OKIPAGE® 24DX. You'll get professional features and versatility, with

- •24 pages per minute •600 dpi with 600 x 1200 graphics •16 MB of standard memory
- Oligital LED output

  1-year on-site limited
  warranty on parts and labor,
  and the industry's only
  5-year printhead warranty



#### OkiColor® 8

\$2,24500

Fast, Easy-to-Use, Superb Color



- 8 ppm in full color and black-and-white
  600 x 600 dpi resolution
- •32 MB of standard memory •Digital LED color printers
- •1-year on-site limited arranty on parts and labor, and the industry's only 5-year printhead warranty

#### OkiPage® 8w

#007597

#### \$**230**00

The OKIPAGE® 8w is the easiest, most affordable way to get superior digital LED performance and:



- paper feed
  Digital LED output
  1-year limited warranty
  on parts and labor with Overnight Exchange and industry's only 5-year printhead warranty

•100-sheet automatic

#### **Many Other Special Deals**

#### Toshiba Satellite 2180CDT

#214868

# \$1,16500



- AMD K6-2 475MHz
- 64MB RAM
- 4.3GB Hard Drive 24x CD-ROM drive
- 12.1 TFT screen
- 1 year-limited warranty

#### Epson Perfection 636U \$16900

600 x 1200 DPI. Flatbed 8.5 x 11





- · Color Flatbed Scanner
- True 600 dpi x 1200 dpi optical resolution
  36-bit color
  USB interface, Fast single pass
- One year limited warranty in the US and Canada

#### **Logitech Cordless** I-Touch Keyboard and mouse



- · Keyboard and Mouse with Digital Radio Technology
- Includes convenient iTouch Internet and multimedia control
- 5 year warranty

#### Plextor **PlexWriter** 12X/4X/32X CD-RW (Internal)

#521311



\$32400

- Worlds fastest CD-R/W drive
- Writing standard CD-R media at 12X, CD-R/W media at 4X and reading at up to 32X Supports Fast SCSI burst rates for incredible read performance
- 1 year warrantv

#### Viewsonic 19 monitor

# \$45000



- 0.25 mm dot pitch • True 1600 x 1200 max
- · PerfectFlat screen. · Onview controls with
- 3-year limited warranty
- #231078

#### Kodak DC280 \$**515**00 Digital Camera

2X Optical/Zoom



- 2X Optical plus 3X Digital Zoom
- 8MB Kodak Digital Science Picture card
- 1.8" TFT color LCD View Finder
- Serial and USB cables included • 1 year warranty
  - #158993 **\$124**00

#### Microsoft Frontpage 2000

#### #053423

- Everything you need to easily create and manage Web sites
- Allows Web professionals to quickly code in either Normal View or HTML View
   Enable users and third parties to create rich add-on and custom Web applications

#### Seagate Cheetah \$47200 SCSI 18.4GB HDD



#533690

- 18.4GB capacity Ultra 160 SCSI 10K RPM • 3D Defense System: Drive, Data, Diagnostic

Call 800-997-4990 858-713-0440

# ARE TO COMPA

COUGAR MOUNTAIN POINT OF SALE® BLOWS AWAY THE COMPETITION IN PRICE AND PERFORMANCE.

	MICROBIZ®	RETAIL PRO®	QUICKSELL®	COUGAR MOUNTAIN
Point of Sale	<b>✓</b>	1	1	✓
Inventory	1	1	1	✓
General Ledger			— — — — — — — — — — — — — — — — — — —	1
Accounts Receivable		— was and		1
Accounts Payable		—	<u> </u>	✓
Import/Export			<u> </u>	1
	\$995.00	\$2,000.00	\$900.00	\$899.50



TURN YOUR COMPUTER INTO A SH REGISTER

- The POS PowerPack
- · Cougar Mountain Point of Sale® for Windows®

Receipt Printer

Receipt Printer

Cash drawer All this fo

#### The POS PowerPack Pro

· Cougar Mountain Point of Sale® for Windows®

**CCD** Scanner

- · Cash drawer
- · Receipt Printer
- CCD Scanner
- Customer Display

## The PowerStation 6000\*

- · Cougar Mountain Point of Sale for Windows® pre-installed
- · Pentium-powered computer technology
- · Cash drawer
- Printer
- · Spill-resistant programmable **QWERTY** keyboard
- · Built-in security
- · Bar code scanning (optional)
- · Integrated credit card swipe (optional)
- Customer display (optional)
- USB ports
- · 32MB of RAM
- · 2 Hours of FREE Technical Support

\$3495.00

To learn more give us a call.

Mention code CS to get these low prices!

COUGAR MOUNTAIN visit us on the web keeping businesses in business

www.cougarmtn.com

7180 Potomac Drive, Boise Idaho 83706

# The world's largest PC manufacturers buy our memory direct.

Genius.

#### Compare the Savings . . .

64MB U	pgrades	
Compaq	Kingston	Crucial
Presario 5304	\$126.00	\$53.99
Presario 5070	\$126.00	\$53.99
Presario 5360	\$126.00	\$53.99
Micronpc.com	Kingston	Crucial
Millennia 400	\$126.00	\$53.99
Millennia 450	\$126.00	\$53.99
Millennia MAX 450	\$126.00	\$53.99
Gateway	Kingston	Crucial
G6-450	\$126.00	\$53.99
G6-400	\$126.00	\$53.99
Performance 450	\$126.00	\$53.99
IBM	Kingston	Crucial
Aptiva (2153) Model E2U	\$114.00	\$53.99
Aptiva (2139) Model E5D	\$114.00	\$53.99
НР	Kingston	Crucial
Pavilion 4530	\$126.00	\$53.99
Pavilion 4535 Kayak XU PC Workstation	\$126.00	\$53.99
440BX Chipset	\$143.00	\$71.99
Vectra VL Series 8	\$114.00	\$53.99
Apple	Kingston	Crucial
Power Mac G3 PC100	\$126.00	\$53.99
Power Mac G4	\$126.00	\$53.99
Crucial prices reflect an auto for ordering online. Prices wer Kingston Web sites on 6/1/00; how daily. Prices may vary according to	re taken from Cruc ever, they can (and	cial and d do) change

Buy your memory direct from one of the largest memory manufacturers in the world. Performance, reliability, selection and factory direct savings — Crucial Technology, a division of Micron.

It's astonishing how much faster this machine suddenly got with the addition of a mere 32MB! It behaves like it just got a megadose of vitamins and joined a health club.

John Brawley, Crucial Customer

video cards - scanners - motherboards - digital cameras



More PC upgrades. From The Memory Experts.

monitors - printers - processors - hard drives - more!!

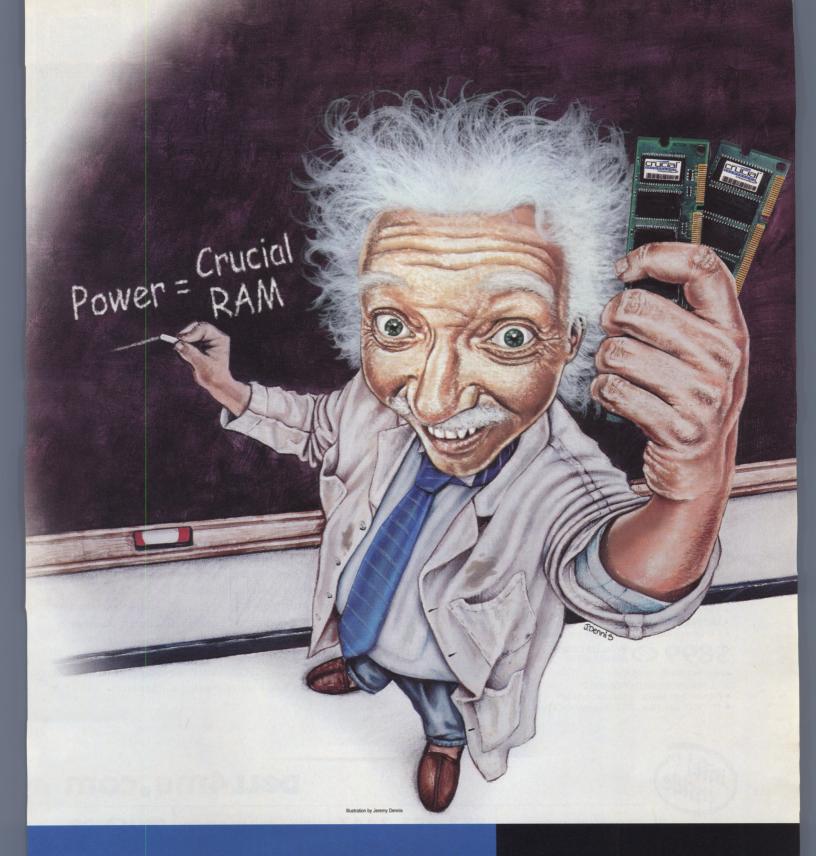
www.crucialupgrades.com

"2000 Micron Semiconductor Products, Inc., All rights reserved. Crucial Technology and the Crucial logo are trademarks of Micron Technology, Inc., and Micron is a registered trademark of Micron Technology, Inc., all other brands and names used herein are the property of heir respective owners. Crucial Technology is a division of Micron Semiconductor Products, Inc. Phone 208-305-500. Fax 208-305-501. E-mail crucial sales@micron.com. Crucial Technology is not responsible for omissions or errors organized protopography or photography or photography.

Online discounts for over 42,000 upgrades at:

www.crucial.com

or call toll-free 1-888-363-2563



**The Memory Experts**™



dell calls it "at-home service." luckily, that's exactly where my computer needs to be fixed.





#### DELL<sup>TM</sup> DIMENSION<sup>TM</sup> L Series

#### Affordable Desktop Solution

- Intel® Pentium® III Processor at 667MHz
- 64MB SDRAM 7.5GB<sup>5</sup> Ultra ATA Hard Drive
- 15" (13.8" vis) E550 Monitor Intel® 3D® AGP Graphics
- 48X Max CD-ROM Drive PC Speakers
- SoundBlaster 64V PCI LC Sound Card
- V.90 56K Capable PCI DataFax Modem for Windows®
- MS\* Works Suite 2000 MS\* Windows\* 98, SE
- 3-Yr Limited Warranty<sup>2</sup> 1-Yr At-Home Service<sup>4</sup>

\$899 **E-VALUE CODE** 05848-500708

As low as \$25/Mo., for 48 Mos.15

**DELL RECOMMENDED UPGRADES:** 

- Premier 3-Yr At-Home Service<sup>4</sup>, add \$99
- 17" (16.0" vis, .28dp) E770 Monitor, add \$70

#### Dell™ has won PC World Reader's Survey for Best Home PC Reliability and Service 6 years in a row.

Any computer company can offer you service and support. At Dell,™ we're offering you a living, breathing, certified technician who will actually come to your house (and into your kitchen if need be). If you have a problem with your system, give us a call 24x7 for a tech to troubleshoot with you over the phone. Then, if hardware support is needed, a technician can be sent to your home. It's called Next-Business-Day At-Home Service and it's available with every Dell Dimension™ desktop. Of course, chances are you'll never need someone to drop by. But if you ever do, just put on a fresh pot of coffee. Dell4me™ is all about helping you get the most out of your PC. Our award-winning service and support is just one of the ways we're making it happen.



D&LL4me,com

contact us today

888.395.3447

www.dell4me.com

DELL COM

Includes Windows 98, Second Edition — the home version of the world's favorite software.

"Monthly payments based on 13.99% APR. APR FOR QUALIFIED CUSTOMERS VARIES BY CREDITWORTHINESS OF CUSTOMER AS DETERMINED BY DELL FINANCIAL

\*Monthly payments based on 13.53% APK. APK FUR GUALIFIED CUSTOWNERS VARIES BY CREDIT WORTHINESS OF COSTOWNER AS DETERMINED BY DELL PINANCIAL SERVICES L.P. Taxes & shipping charges extra, and vary; they are due with 1st payment unless included in the amount financed. Purchase Plan from Dell Financial Services L.P. to U.S. state residents (including D.C.) with approved credit, excluding AR and MN residents. Availability may be limited or offer may vary in other states. Prices, specifications, and availability may change without notice. Taxes and shipping charges extra, and vary. Cannot be combined with other offers or discounts. U.S. only. Offer valid for Dell Home Systems Co. only. "For a copy of our Guarantees or Limited Warranties, write Dell USA L.P., Attn: Warranties, One Dell Way, Round Rock, Texas 78682. 'At-Home or on-site service provided via third-party contract with customer. Availability varies. Technician will be dispatched, if necessary, following phone-based troubleshooting. To receive Next-Business-Day service, Dell must notify the service provider before 5pm (customer's time). Other conditions apply. "For hard drives, 6B means 1 billion bytes; accessible capacity varies with operating environment. "Download speeds limited to 25Kbps. Upload speeds are less (about 30Kbps) and vary by modern manufacturer and online conditions. Analog phone line and compatible server required. Intel, the Intel Inside logo, and Pentitum are registered trademarks, and Intel SpeedStep and Celeron are trademarks of Intel Corporation. MS, Microsoft, and Windows are registered trademarks of Microsoft Corporation. ©2000 Dell Computer Corporation. All rights reserved.

# contents

#### features

## **Big PC on Campus**

BACK-TO-SCHOOL PCs ROUNDUP

by Rick Broida

This year's back-to-school desktop PCs earn straight A's with fast CPUs ranging from 667MHz to 733MHz, ample hard drive space, 17-inch monitors, robust graphics boards, and lots more-all for

- ABS Performance 3 Acer Aspire 6422 Gateway Select 700
- Quantex M733 Tiny Millennium Tutor 733

154

## **Higher Learning**

by David English

EDUCATIONAL SOFTWARE ROUNDUP

Learning software's just for kids? Think again. Today's programs take advantage of multimedia, advanced search techniques, and the Internet to appeal to high-school and college students.

- Body Voyage The Civil War Experience Inside the SAT, ACT & PSAT 2000 Deluxe Edition • Math Advantage 2000 for High School
- Microsoft Encarta Africana 2000 StudyWorks Science Deluxe

## Now Playing: Digital Home Movies 168

DIGITAL CAMCORDER ROUNDUP

Delivering nearly flawless video, crammed with features, and able to interface with FireWire-enabled PCs, consumer Digital Video camcorders have come of age.



- Canon Optura Pi JVC Digital DualCam GR-DVL9800U
- Panasonic PV-DV800 Sony DCR-PC100

## Vast and Fast

SHOPPER'S GUIDE TO HARD DRIVES

by M. David Stone

Need more storage, and looking for a cost-effective system upgrade? A new hard drive could be your best bet. Our advice will help you find fast, roomy platters that pump up your PC's performance.

# So Long, Shrink-Wrap

182

APPLICATION SERVICE PROVIDERS

by Xavier W. Niz

What started with free Web-based e-mail has expanded to applications of every kind. At this pace, it won't be long before all applications are Web-based, making boxed

# Put a Job Site to Work for You

JOB-SEARCH SITES

by Elaine X. Grant

Todau's job market is bursting with opportunities, and the Web is teeming with sites that can help you find them. We screen the prominent job sites for you, so you can get right to work on your job hunt.

Compare Storper (ISSN 686-8516, is published monthly for \$58.97 per year in the U.S. and \$70.97 per year consider the U.S. by ZD line., a Soliblank correspont, 24 ft. 26th St. New Strik, NT (1000h 798). Persolohily Midl persog poid as New York, NT and addressed manking offices. Carnalism CST registration counties to 14800e210 RT. POSTMASTER: Simil address changes to Computer Storper, NO. Day \$2584, Beadder, CO 80328-2464.

Basing constants Copyright C2000 ZD line., a Soliblank company, All rights reserved. To return any material in this publication, obtain a permission request form a reventage prightness [24], on here it form faund or maleth in yordy of Illing (421) 480-860. For high-quality reprints, institution quantity of 100, please contact Reprint Services by calling (631) 1842-860, hasting (651) 1842-860. Integration [24] addressed in any form without sersian permissions. "Computer Storper" and "Computer Supper Best Boy of the Near" are transformation of Zelf Davis.

PRINTED IN THE U.S.A.

## AUGUST 2000 . Volume 20 . Number 8 . Issue 245 See page 176 59 114 168 130 59 62 190 124

#### news

AMD and Intel duke it out in a contest to deliver the cheapest chip. Also, a look at Web sites that help you nab the best deal, resolve your psychological issues, and evaluate software before you buy.

#### Hot Gear

- · Casio WMP-1V Wrist Audio Player
- · CD CyClone CDRevo
- . Intel Play Computer Sound Morpher



- · Diamond Rio 600
- Monarch 6015 Handheld Printer
- Motorola Talkabout T900.
- Interactive Seating BattleChair
- Creative Nomad Jukebox
- Plus U3-1080 ..
- GeoDiscovery Geode
- · Razer Mamba 1000 · PEC e-Holster.



#### from the editor

12 Janice Chen ...

#### from the readers

Feedback Forum ....

#### best buys

Don't settle for second best-let Computer Shopper's editors help you select the absolute best in desktop computers, PC peripherals, mobile gear, software, and games..



# TECHNOLOGY THAT'S ALWAYS UP AND RUNNING

JUST LIKE MY
BUSINESS

GET A SERVER THAT'S EASY TO SET UP. EASY TO MANAGE AND COMES WITH GREAT SUPPORT, DIRECT FROM IBM. If you're looking for a server that won't eat up your budget or derail your day with troubleshooting and maintenance tasks, you can look to IBM. These reliable IBM Netfinity® servers come with installation and configuration support, plus a three-year onsite limited warranty.' You'll also have 90 days of Start Up Support, for those questions that arise after installation is complete. Seamless support from the minute you buy them, straight through the next three years. In fact, all IBM Netfinity server products come with world-class warranties, personalized service and support, so you can feel confident that your technology is working as hard as you and your staff are.

## **LOOK INSIDE:**

To find out more about IBM technology for small business.





IBM.

# contents

#### web buyer

Site Reviews for Online Shopping

Finding good shopping sites on the Web doesn't have to be a chore. We give you the scoop on hundreds of Net stores where you can buy everything from PCs to toys.

#### iz-to-biz



# Linux May Be Cheap, But It Isn't Easy

238

Using Linux for networking isn't for the faint of heart, but if you've got the guts and a knowledgeable support staff, the payoff can be substantial.

L DODINGS			
D . C	Carrie	Cath	277
Dot-Com	SHIPVIVOI	GHIGE	233

Listen to the experts' survival tips to avoid becoming fresh kill in the dot-com jungle.

#### E-SERVICES)

Zero-Cos	Business	Apps
----------	----------	------

234

236

Check out two free e-services: an office suite, and an accounting and work-flow suite.

## (BUILDING WEB COMMERCE)

#### Other People's Merchandise

You don't have to stock widgets to profit from their sale. Affiliate programs let you earn commissions by linking to other merchants' sites.

#### help & how to



#### 272 Upgrading Your CPU

Rejuvenate your aging PC by upgrading its CPU, Our step-by-step guide will speed up your system lickety-split.

The Hard Edge ...by Alice Hill & Bill O'Brien ....

Alice and Bill offer free advice to the DOJ, rejoice the coming era of one-click living, and toast eight happy years together.

#### Alfred Poor's Computer Cures

Alfred dives into the murky depths of Windows 98's Registry to retrieve the Windows 98 registration key.

#### BUYING ADVISOR

#### 280 Lesson Plan: A Notebook for Less

Our Advisor digs deep to find a \$1,000 notebook for a college student on a budget.

#### opinions

John Blackford84	Jim O'Brien 88
John Dvorak86	Michael Slater89

#### reference

Site Index 283	Showcase Premiere 242
This issue's URLs and ZDNet downloads.	Showcase General 296
Product Index 287	Ad Index 314

## **VOTE NOW! Shoppers' Choice Awards**

Here's your chance to vote for the best products-and the best places to purchase them. Go to page 77 to learn how to cast your ballot-and earn a chance to win a \$2,000 shopping spree, or one of several additional prizes.



118

#### reviews

#### DESKTOPS

HP e-Vectra D9898T	103
Kaupro 6100	106
IBM PC 300GI	113

#### HARDWARE

. Casio QV-3000EX . Epson PhotoPC 30003	7
Nikon Coolpix 990	114
Labtec Spin-70	115
Sony UP-DP10	115

#### NETWODKS

Lexmark Z52 Color Jetprinter

HEIMORICO	
Linksus EtherFast Four-Port Cable/DSL Router	118

#### MOBILE

micronpc.com TransPort ZX	121
Gateway Solo 9300CX	
IBM ThinkPad 240X Model 2609-61U	124
OmniSky Wireless Internet Service	170
Shadowpack	170
Apple iBook Special Edition	***

#### COPPLIADO

SULIMAKE	
Adobe Illustrator 9.0	138
Microsoft Streets & Trips 2001	138
Complete LandDesigner 6.0 3D Design Collection	

#### **WEB SERVICES**

i-drive	1	4	2
Yodlee e-Personalization Platform	1	4	2

#### GAMES

<ul> <li>Last Call</li> </ul>	<ul> <li>Need for Speed: Porsche Unleashed</li> </ul>	
Star Trek	Armada • Thief II: The Metal Age	4

#### Instant Price Checks!

Get real-time pricing and availability for any product reviewed in this magazine: From your desktop Web browser or any Web-enabled cell phone, go to priceit.zdnet.com and enter the numeric code listed with any product review. For Palm VII users: Go to wireless.zdnet.com, select

"ZDNet To Go," and download the ZDNet Palm VII application.



#### NO ONE HAS TIME FOR DOWNTIME

#### NOT WHEN YOU'RE RUNNING A SMALL

BUSINESS. Every minute counts and everyone's counting on you. You can rely on affordable, easyto-manage Netfinity servers to keep everyone productive. And these Netfinity servers come with a three-year onsite limited warranty. With maximum scalability, serious power and the support you need, they're designed to keep up with your small business now - and in the future.







#### AND YOU CAN STAY IN CONTROL, EVEN WHEN YOU'RE ON THE ROAD.

As long as you take your ThinkPad® notebook with you. Don't let their light weight fool you - these thin, all-in-one desktop alternatives pack a powerful punch. So you can give it your best shot, from just about anywhere.



#### SERVERS

#### IBM NETFINITY 3500 M20

Intel® Pentium® III processor 667MHz3 Dual processor capable 256K L2 cache 128MB ECC SDRAM memory standard 91GB<sup>4</sup> SCSI HDD standard IBM Netfinity Manager and IBM Netfinity Director

#### \$2,129°

SuccessLease™ \$78/MONTH®

#### CUSTOMIZE YOURS:

Pentium III Processor Upgrade 667MHz \$899° or \$33/months 128MB 133MHz ECC SDRAM RDIMM Memory Upgrade \$309° or \$11/month

Warranty Service Upgrade - 3-Year Onsite, Next Business Day, 4-Hour Response \$750° or \$27/month\*

#### **IBM NETFINITY 4500R**

Pentium III processor 667MHz Dual processor capable 256K L2 cache 128MB ECC SDRAM memory standard 9tGB Ultra 160 Hot-Swap HDD optional<sup>st</sup> Light-Path Diagnostics IBM Netfinity Manager and IBM Netfinity Director

#### \$4.467°

SuccessLease for Small Business \$159/MONTH

#### CUSTOMIZE YOURS:

Pentium III Processor Upgrade 667MHz/256K Slot 1

#### \$9892 or \$36/month!

ServeRAID™ 4L Ultra 160 SCSI Controller \$745° or \$27/months

Warranty Service Upgrade - 3-Year Onsite, Next Business Day, 4-Hour Response \$900° or \$33/month®

#### **IBM NETFINITY 6000R**

Pentium III Xeon™ processor 700MHz Quad processor capable 1MB L2 cache 512MB Chipkill™ memory standard 91GB Ultra 160 Hot-Swap HDD optional IBM Netfinity Manager and IBM Netfinity Director

#### \$8.491°

SuccessLease for Small Business \$301/MONTH\*

#### CUSTOMIZE YOURS:

Pentium III Xeon Processor Upgrade 700MHz with 1MB Cache

#### \$3.859° or \$137/month®

128MB 100MHz ECC SDRAM RDIMM Memory Upgrade \$389° or \$14/month<sup>5</sup>

Warranty Service Upgrade - 3-Year Onsite Next Business Day, 4-Hour Response \$900° or \$33/month®

#### NOTEBOOK

#### IBM THINKPAD A20m

Mobile Intel Celeron™ processor 550MHz 12.1° SVGA active matrix display 64MB SDRAM 6GB HDD 24X-10X7 CD-ROM Mini PCI 56K\* V90 modem Microsoft" Windows" 98 Second Edition Modular Ultrabay™ 2000 ThinkLight™ keyboard light Travel weight of 5.9 lbs.

#### \$1,749°

SuccessLease for Small Business \$64/MONTH\*

#### **CUSTOMIZE YOURS:**

IBM 64MB 100MHz NP SDRAM Memory Upgrade \$95° or \$4/month

IBM ThinkPad Port Replicator \$149° or \$5/months

Warranty Service Upgrade - 1-Year Onsite, Next Business Day, 4-Hour Response \$49° or \$2/month<sup>5</sup>

IBM recommends Windows 2000 Professional for business.

For terms and conditions or copies of IBM's Statement of Limited Warranty, call 1 800 772-2227 in the US and in Canada call 1 800 426-2255. Limited warranty includes International Warranty Service Upgrade Part #301.9185, Netfinity 4500R Part #8656-2RY, Hard Drive Part #371.7201, Processor Upgrade Part #0007/949, ServeRAID Controller Part #371.6091, Warranty Service Upgrade Part #411.2 #201.0254, Port Replicator Part #02K8667, Warranty Service Upgrade Part #301.5019, Warranty Service Upgrade Part #411.2 #411

#### DESKTOPS THAT DO IT ALL

#### IBM HAS THE SYSTEM FOR YOUR UNIQUE SMALL BUSINESS NEEDS, Check

out these IBM PC 300® series desktops. They come with manageability tools that will help you and your staff make the most of every day. And when it comes to serious performance and incredible style, the IBM NetVista™ X40 system is head and shoulders above the rest. With a powerful processor and 5 USB ports, this all-in-one system with an integrated flat panel monitor brings you the ability to do more.





#### DESKTOPS

#### **IBM PC 300**

Intel Celeron processor 533MHz 32MB SDRAM 5GB HDD Integrated 10/100 Ethernet Integrated graphics Microtower Windows 98

Lotus SmartSuite® Millennium Edition® 15" monitor (13.7" viewable)

#### \$885°

SuccessLease for Small Business \$32/MONTH

#### **CUSTOMIZE YOURS:**

64MB 133MHz NP SDRAM Upgrade \$99° or \$3/month® 8X/4X/32X CD-RW Internal IDE Drive \$249° or \$9/months

Warranty Service Upgrade - 3-Year Onsite, Next Business Day, 4-Hour Response \$109° or \$4/months

#### IBM PC 300GL

Small Business Series

Pentium III processor 667MHz 128MB SDRAM 20.4GB HDD (7,200 rpm) 48X-20X CD-ROM 56K V90 modem 8MB AGP graphics . Microtower Windows 98

Lotus SmartSuite Millennium Edition Microsoft Office Small Business<sup>10</sup> 17" monitor (15.9" viewable)

## \$1,463°

SuccessLease for Small Business \$54/MONTH

#### **CUSTOMIZE YOURS:**

IBM 250MB Internal Zip Drive \$179° or \$6/month

Lexmark Z52 Color Inkjet USB Printer \$179.99° or \$6/month<sup>5</sup>

Warranty Service Upgrade - 3-Year Onsite, Next Business Day, 4-Hour Response \$109° or \$4/months

#### **IBM NETVISTA X40**

15" TFT display Intel Celeron processor 566MHz 64MB SDRAM 10GB HDD 24X-10X CD-ROM 10/100 Ethernet Integrated 4X AGP graphics 5 USB ports

\$2.029°

Windows 98

SuccessLease for Small Business \$77/MONTH

Lotus SmartSuite Millennium Edition

#### CUSTOMIZE YOURS:

Epson Color Stylus Printer SC670 SE (black) \$99° or \$3/month\* lomega Zip 250MB External USB Drive \$179.992 or \$6/month5

#### SPECIAL OFFER

Buy any Intel processorbased IBM system, excluding servers, and choose your free accessory!

#### UMAX 2100U Scanner

#### OR

Computer Backpack Part #33L4855

#### OR

#### FREE Agfa ePhoto Smile Digital Camera

Call for more promotions or to place your order, Shipping and handling not included. Phone orders only. Offer expires September 15, 2000, Cannot be combined with other offers. Offer valid in US only while supplies last.



# DIRECT TO YOU

Please use advantage code 7603 for latest pricing.

ibm.com/smallbusiness7603 or 1-888-ShopIBM, advantage code 7603

offered. Telephone support may be subject to additional charges. 'Prices shown are prices available from IBM directly; reseller prices may vary for Netfinity 3500 M20 Part #8657-22Y, Processor Upgrade Part #10K3804, Memory 1737; Netfinity 6000R Part #8682-1RY, Hard Drive Part #371.7201, Processor Upgrade Part #00N994, Memory Upgrade Part #331.3113, Warranty Service Upgrade Part #471.2737; ThinkPad Part #2628-11U, Memory Upgrade Part 1931.731, Warranty Service Upgrade Part #471.2737; ThinkPad Part #2628-11U, Memory Upgrade Part 1931.731, Warranty Service Upgrade Part #301.9199; NetVista Part #6643-13U, Epon Printer Part #00N9994, Zip Drive Part to Etilion bytes when referring to hard drive capacity. Accessible capacity may vary. 'SuccessLease is offered and administered in the US and Canada by third-party providers of tousiness financing approved by Identification agency of the Intelligence of Inte ©2000 IBM Corp. All rights reserved.

JANICE CHEN



# When Free Becomes A Shopping Spree

y new favorite application these days is one you don't have to pay a cent for. I've discovered Vindigo, a city guide for Palm OS devices that pulls real-time content from the Web—like movie times, store locations, and nightlife and restaurant listings—updating your Palm with fresh info each time you synchronize it with your PG.

Currently available for Boston, Chicago, San Francisco, D.C., and my hometown of New York City, Vindigo is a free download from www.vindigo.com. The company plans to make money from the context-sensitive ads it posts at the bottom of your screen.

But while the application itself is free, Vindigo is so cool and useful that it may just drive Palm-less folks to fork over the cash for the hardware. It's certainly tempting me to spend some on the extended-memory Palm Vx. (I've been hard-

pressed to squeeze Vindigo's 500K of data into my Palm V's already-packed 2MB of memory.)

For a few years now, the
PC hardware industry has
been operating under an "if
we build it, they will come" attitude.
Hardware keeps getting faster and cheaper,
but the killer applications that drive people
to buy new hardware

have been slower to arrive. Well, they have come, and best of all, many of them are free. Furthermore, since the new breed of software extends the reach of PCs, it not only inspires

us to buy new computers, it also turns tech tools like PDAs into must-have items.

Case in point: Cool new Web-synchronized software like Vindigo and Yodlee (reviewed on p. 142) are making Palm and other pocket-size devices indispensable tools for business and personal tasks alike. Yodlee even offers wireless Web access, as does Shadowpack, another free Web-based service. Turn to p.130 to find out why Shadowpack just may be the next killer app for a wide array of wireless Web devices, including OmniSky's new Wireless Internet Service and modem combo for Palm Vs.



reviewed on the same page. By turning any Palm V into a Web-enabled PDA, OmniSky can breathe new life into your PDA.

Free MP3 software like Napster and Gnutella have likewise spurred huge demand for portable MP3 play-

ers, making these devices the latest musthave items for audiophiles and computer geeks alike. Don't miss our Hot Gear section, beginning on p. 58, for a heads-up on

> three of the newest MP3 gadgets you'll want to get your hands on: the Casio WMP-1V Wrist Audio Player, the Diamond Rio 600, and the Creative Nomad Jukebox.

MP3 is doing more than driving sales of audio devices, though. If you often frequent MP3 sites, you'll notice those files quickly filling up your hard drive. For help choosing the most cost-effective storage upgrade you can make, be sure to read our Shopper's Guide to hard drives on p. 176.

With so many new applications spurring demand for the new generation of hardware that expands your PC's capabilities, it's no surprise that columnists John Dvorak and Michael Slater both chose to write about such devices this month. Dvorak takes on the Pocket PC and its future potential on p. 86, and on p. 89, Slater tackles the digital-camera revolution.

James Chen @ report com

Vice President, Commerce David Clear  Editor David Clear  Editor Sanice J. John Blackfon  Editor Janice J. Cher  Executive Editor Rik Fairhi Senior Editor, Online Lori Gruni Sasociate Editor Lub Manager Daniel A. Begun Staff Editor Lub Manager Daniel A. Begun Staff Editor David Manager Daniel A. Begun Staff Editor Brian Bennet Product Coordinator Pedro Burgo Editorial Assistant Ellen Paradis  Editorial Business Coordinator/ Assistant to Editor-in-Chief Ursula Gatti Managing Editor Wendy A. Sheeha Copy Chief John A. Burel Copy Editors Melissa DeMeo, Brian T. Horowit Copy Editors Melissa DeMeo, Brian T. Horowit Design Director Barry Simon Associate Art Directors Todd Betterley Scott Brandsgaard, Chris Phillip Principal Photographer Chris Goule Editor at Large Abigail Cran Contributors Rick Broida, Bruce Brown, Dan Costa John Dvorak, David English, Lynn Ginsburg Susan Glinert, Jon Halpin, Alice Hill, Stephanie Izarek Wayne Kawamsoto, Keith Kirkpatrick, Matthew Klare Don Labriola, Sheldon Leemon, David Linthicum Megan Loncto, Bill O'Brien, Raymond Padilla Stephen W. Plain, Alfred Poor, John Quain Neil Randall, Steve Rigney, Kevin Savetz, Rob Schenk Michael Slater, Asa Somers, M. David Stone, Kathy Yaka Michael Slater, Asa Somers, M. David Stone, Kathy Yaka Michael Slater, Asa Somers, M. David Stone, Kathy Yaka Michael Slater, Asa Somers, M. David Stone, Kathy Yaka Michael Slater, Asa Somers, M. David Stone, Kathy Yaka Michael Slater, Asa Somers, M. David Stone, Kathy Yaka Michael Slater, Asa Somers, M. David Stone, Kathy Yaka Michael Slater, Asa Somers, M. David Stone, Kathy Yaka Michael Slater, Asa Somers, M. David Stone, Kathy Yaka Michael Slater, Asa Somers, M. David Stone, Kathy Yaka Michael Slater, Asa Somers, M. David Stone, Kathy Yaka Michael Slater, Asa Somers, M. David Stone, Kathy Yaka Michael Slater, Asa Somers, M. David Stone, Kathy Yaka Michael Slater, Asa Somers, M. David Stone, Kathy Yaka Michael Slater, Asa Somers, M. David Stone, Kathy Yaka Michael Slater, Asa Somers, M. David Stone, Kathy Yaka Mic	=		
Editor. Janice J. Cher Executive Editor . Rik Fairhi Senior Editors, . Nancy A. Lang, Steven Schwart Senior Editor, Online . Lori Gruni Associate Editor / Lab Manager . Daniel A. Begur Associate Editor / Lab Manager . Daniel A. Begur Assistant Editor . Brian Bennet Product Coordinator . Pedro Burgo Editorial Business Coordinator/ Assistant to Editor-in-Chief . Ursula Gatti Managing Editor . Wendy A. Sheehar Copy Chief . John A. Burel Copy Editors . Melissa DeMeo, Brian T. Horrowit Design Director . Barry Simon Associate Art Directors . Todd Betterley Scott Brandsgaard, Chris Phillip Principal Photographer . Chris Goule Editor at Large . Abigail Crane Contributors . Rick Broids, Bruce Brown, Dan Costa John Dvorak, David English, Lynn Ginsburg Susan Glinert, Jon Halpin, Alice Hill, Stephanie Izarek Wayne Kawarnsoto, Keith Kirkpatrick, Matthew Klare Don Labriola, Sheklon Leemon, David Limthicum Megan Loncto, Bill O'Brien, Raymond Padilla Stephen W. Plain, Alfred Poor, John Quain Neil Randall, Steve Rigney, Kevin Savetz, Rob Chenk Michael Slater, Asa Somers, M. David Stone, Kathy Yaka Production Director . Jack Degnar Layout Administrator . Randall McCal Apont Administrator . Randall McCal Production/Ad Coordinators . Gail Murray Gonzalez Dana Stevens, Rita Young Electronic Prepress Specialist . Deborah Neubaue Marketing Director . Josh Chondon Marketing Manager . Jennifer Lawle Marketing Manager . Ana Maria Cueva Senior Creative Manager . Pete Veg Copy Writer . Lenora Johnson Marketing Manager . Gara Rotemar Director, Single-Copy Sales . Robert Kereke Circulation Director . Lenora Johnson Customer Service Representative . Aida Rodrigues Senior Creative Manager . Cara Rotemar Director, National Accounts . Christopher Lander Customer Service Representative . Aida Rodrigues Director, National Accounts . Cara Stort Sales Manager . Certarl . Scott Brues Senior Market Analyst / Account Manager . Russ Gilchrist ZIFF-DAVIS Chairman and CEO . Eric Hippeat  ZIFF-DAVIS Chairman and CEO . Dan Rosensweig SENIOR VICE PRESIDENTS	Vice President, Co Publisher	mmerce	Thomas Jones . David Cleary
Executive Editors	Editor-in-Chief		John Blackford
Assistant to Editor-in-Chief. Ursula Gatti Managing Editor Wendy A. Sheehar Copy Chief. John A. Burel Copy Editors Melissa DeMeo, Brian T. Horowit Design Director. Barry Simon Associate Art Directors Todd Betterley Scott Brandsgaard, Chris Phillip Principal Photographer Chris Goule Editor at Large Abigail Crane Contributors Rick Broids, Bruce Brown, Dan Costa John Dvorak, David English, Lynn Ginsburg Susan Glinert, Jon Halpin, Alice Hill, Stephanie Izarek Wayne Kawamoto, Keith Kirkpatrick, Matthew Klare Don Labriola, Sheldon Leemon, David Linthicum Megan Loncto, Bill O'Brien, Raymond Padilla Stephen W Plain, Alfred Poor, John Quain Neil Randall, Steve Rigney, Kevin Savetz, Rob Schenk Michael Slater, Asa Somers, M. David Stone, Kathy Yaka Production Director Jack Degnar Layout Administrator Randall McCal Production/Ad Coordinators Gall Murray Gonzalez Dana Stevens, Rita Young Electronic Prepress Specialist Deborah Neubaue Product Index Manager Jennifer Lawler Marketing Director John London Marketing Manager Ana Maria Cueva Senior Creative Manager Ana Maria Cueva Senior Market Analyst / Account Manager Russ Gilchris  ZIFF-DAVIS Chairman and CEO Eric Hippeat  PRESIDENTS Chairman and CEO Bres Dans Senter Coursel and Secretary J. Malcolm Morris  VICE PRESIDENTS General Coursel and Secretary J. Malcolm Morris  VICE PRESIDENTS General Coursel and Secretary J. Mark Moyer Tax Stuart Simon Treasurer Thomas L. Wright Human Resources Tracy Mitchell Information Technology James Rus Contact any staff member on this masthead via e-mail	Executive Editor . Senior Editors Senior Editor, Onl Associate Editor / I Staff Editor Assistant Editor Product Coordinat	Nancy A. Lang, Si ine .ab Manager D	Rik Fairlie teven Schwartz Lori Grunin uniel A. Begun Xavier W. Niz Brian Bennett Pedro Burgos
Copy Chief			. Ursula Gattis
Associate Art Directors Scott Brandsgaard, Chris Phillip Principal Photographer Contributors Scott Brandsgaard, Chris Phillip Principal Photographer Contributors Scott Brandsgaard, Chris Phillip Principal Photographer Contributors Scott Brandsgaard, Chris Gould Editor at Large Abigail Crand Contributors John Dvorak, David English, Lynn Ginsburg Susan Glinert, Jon Halpin, Alice Hill, Stephanie Izarek Wayne Kawamoto, Keith Kirkpatrick, Matthew Klare Don Labriola, Sheldon Leemon, David Linthicum Megan Loncto, Bill O'Brien, Raymond Padilla Stephen W Plain, Alfred Poor, John Quain Neil Randall, Steve Rigney, Kevin Savetz, Rob Schenk Michael Slater, Asa Somers, M. David Stone, Kathy Yaka Production Director Jack Degnan Layout Administrator Randall McCal Production/Ad Coordinators Gail Murray Gonzalez Dana Stevens, Rita Young Electronic Prepress Specialist Deborah Neubsuee Product Index Manager Jennifer Lawler Marketing Director Josh London Marketing Manager Ana Maria Cueva Senior Creative Manager Pete Vege Copy Writer Lenora Johnson Marketing Assistant Christopher Lander: Customer Service Representative Aida Rodriguez Director, Single Copy Sales Robert Kereke Circulation Director Peggy Pyle SALES MANAGEMENT National Advertising Director National Sales Manager Cara Roteman Director, National Accounts Cary Short Area Manager Brett Rubic District Sales Manager Cara Roteman Director, National Accounts Cary Short Area Manager Brett Rubic District Sales Manager, Central Scott Brues Senior Market Analyst / Account Manager Russ Gilchris ZIFF-DAVIS Chairman and CEO Eric Hippeau PRESIDENTS General Counsel and Secretary J. Malcolm Morris VICE PRESIDENTS Controller Mark Moyer Tax Suuart Simon Treasurer Thomas L. Wright Human Resources Tracy Mitchell Information Technology James Rust Contact any staff member on this masthead via e-mail	Copy Chief Copy Editors	Melissa DeMeo, Bri	John A. Burek an T. Horowitz
Editor at Large	Associate Art Dire	Scott Brandsgaard	Todd Betterley, I, Chris Phillips
John Dvorak, David English, Lynn Ginsburg Susan Glinert, Jon Halpin, Alice Hill, Stephanie Izarek Wayne Kawamoto, Keith Kirkpatrick, Matthew Klare Don Labtiola, Sheldon Leemon, David Linthicum Megan Loncto, Bill O'Brien, Raymond Padilla Stephen W Plain, Alfred Poor, John Quain Neil Randall, Steve Rigney, Kevin Savetz, Rob Schenk Michael Slater, Asa Somers, M. David Stone, Kathy Yaka Production Director. Jack Degnar Layout Administrator. Randall McCal Production/Ad Coordinators. Gail Murray Gonzalez Dana Stevens, Rita Young Electronic Prepress Specialist. Deborah Neubaue Product Index Manager Jennifer Lawler Marketing Director. Josh London Marketing Manager Ana Maria Cueva Senior Creative Manager Pete Veg Copy Writer. Lenora Johnson Marketing Assistant. Christopher Lander: Customer Service Representative Aida Rodrigues Director, Single-Copy Sales Robert Kereke: Circulation Director. Peggy Pyle SALES MANAGEMENT National Advertising Director Colleen Daly National Sales Manager Bert Rubic District Sales Manager Bert Rubic District Sales Manager, California 1 Gai Vaceb District Sales Manager, Control Senior Market Analyst Account Manager. Russ Gilchrist ZIFF-DAVIS Chairman and CEO Eric Hippean ZDNet (President and CEO) Dan Rosensweig SENIOR VICE PRESIDENTS General Counsel and Secretary J. Malcolm Morris VICE PRESIDENTS Controller Mark Moyer Tax Suart Simon Treasurer Thomas L. Wright Human Resources Tracy Mitchell Information Technology James Rus Contact any staff member on this masthead via e-mail			
Layout Administrator	John I Susan Glinert, Jo Wayne Kawan Don Labrio Megan Step Neil Randall, S	Ovorak, David English, I n Halpin, Alice Hill, Str Soto, Keith Kirkpatrick, M da, Sheldon Leemon, Da Loncto, Bill O'Brien, Ra shen W. Plain, Alfred Pox teve Rigney, Kevin Savet	ynn Ginsburg, ephanie Izarek, Matthew Klare, vid Linthicum, ymond Padilla, xr, John Quain, z, Rob Schenk,
Marketing Director Josh London Marketing Manager Ana Maria Cueva Senior Creative Manager Pete Vego Copy Writer Lenora Johnson Marketing Assistant: Christopher Lander: Customer Service Representative Aida Rodriguez: Director, Single-Copy Sales Robert Kereke: Circulation Director Peggy Pyle SALES MANAGEMENT National Advertising Director Colleen Daly National Sales Manager Cara Roteman Director, National Accounts Cary Short Area Manager Brett Rubic District Sales Manager, California 1 Gia Vacel District Sales Manager, Northwest Denise Clemetson District Sales Manager, Northwest Denise Clemetson District Sales Manager, Central Scott Bruce Senior Market Analyst/Account Manager Russ Gilchris ZIFF-DAVIS Chairman and CEO Eric Hippeat  PRESIDENTS ZD Events Jason E. Chudnofsky SmartPlanet Chris Dobbrow ZDNet (President and CEO) Dan Rosensweig SENIOR VICE PRESIDENTS General Counsel and Secretary J. Malcolm Morris VICE PRESIDENTS Controller Mark Moyer Teasurer Thomas L. Wright Human Resources Tracy Mitchell Information Technology James Rust Contact any staff member on this masthead via e-mai	Layout Administrs Production/Ad Co Electronic Prepress	tor	Randall McCall rray Gonzalez, ns, Rita Young orah Neubauer
SALES MANAGEMENT National Advertising Director . Colleen Daly National Sales Manager . Cara Roteman Director, National Accounts . Cary Short Area Manager . Brett Rubic District Sales Manager, California 1 . Gia Vaceb District Sales Manager, Northwest . Denise Clemetsop District Sales Manager, Northwest . Denise Clemetsop District Sales Manager, Central . Scott Bruce Senior Market Analyst/Account Manager . Russ Gilchrist ZIFF-DAVIS Chairman and CEO . Eric Hippeat PRESIDENTS ZD Events . Jason E. Chudnofsky Smartplanet . Chris Dobbrow ZDNet (President and CEO) . Dan Rosensweig SENIOR VICE PRESIDENTS General Counsel and Secretary . J. Malcolm Morris VICE PRESIDENTS Controller . Mark Moyer Tax . Suart Simon Treasurer . Thomas L. Wright Human Resources . Tracy Mitchell Information Technology . James Rust Contact any staff member on this masthead via e-mai	Marketing Directo Marketing Manag Senior Creative Mc Copy Writer Marketing Assista Customer Service I Director, Single-Co	r Ans anager L  nt Christ Representative A ppy Sales I	. Josh London Maria Cuevas Pete Vega enora Johnson opher Landers tida Rodriguez Robert Kerekes
Chairman and CEO	National Advertisi National Sales Ma Director, National Area Manager District Sales Man District Sales Man District Sales Man Senior Market An	ng Director . nager . Accounts . ager, California 1 ager, Northwest Der ager, Central	Cara Roteman Cary Short Brett Rubio Gia Vacek nise Clemetson Scott Bruce
SENIOR VICE PRESIDENTS General Counsel and Secretary J. Malcolm Morris  VICE PRESIDENTS Controller Mark Moyer Tax Stuart Simon Treasurer Thomas L. Wright Human Resources Tracy Mitchell Information Technology James Rust Contact any staff member on this masthead via e-mai	Chairman and CE PRESIDENT ZD Events SmartPlanet	S	E. Chudnofsky Ihris Dobbrow
Controller Mark Moyer Tax Stuart Simon Treasurer Thomas L, Wright Human Resources Tracy Mitchell Information Technology James Rust Contact any staff member on this masthead via e-mai	SENIOR VIC	E PRESIDENTS	
Contact any staff member on this masthead via e-mai	Controller Tax Treasurer Human Resources	Tho	Stuart Simon mas L. Wright Tracy Mitchell
	Contact any sta	ff member on this mastl	nead via e-mail





coal



# graphics<sup>n</sup>

Bright, crisp, and fast. NVIDIA graphics processors deliver a level of quality which is unparalleled, letting you get the most out of your internet, multimedia, and business applications. As a consistent winner of awards like PC Magazine Editors' Choice, and PC World's Best Buy, it's no surprise that the top PC companies like Dell and Compaq use our processors for everything from basic PC's to professional workstations. Discover graphics to the nth degree.



# ViewSonic® offers a



#### ViewPanel® Series - VP151

The VP151, PC Magazine's Editors Choice, is one of the first 15.0" active matrix LCD flat panel displays to support digital, analog and composite video inputs into one unit using OptiSync™ technology. Picture-inpicture allows you to run live DVD, VCR and video cameras while working real time in other applications. The VP151's compatibility with new DVI/DFP digital inputs prepares you for the future today while pivot capabilities and USB hubs add functionality. Boasting a maximum resolution of 1280 x 1024, this flat panel is perfect where work space is limited and superb display quality are important.

The ViewSonic VP151 really sparkles, with dual-mode-inputs, built-in sound, pivot support, wide viewing angles, and even picture-in-picture display of composite video. It earns our high-end Editors Choice. -PC Magazine, May 2000



VP151 May 2000

viewPanel Series								
ViewSonic Model	Screen Viewable	Special Feature	Maximum Resolution	Analog Interface	Bezel Sp			
VE150	15.0	WALL	1024 x 768	YES				
VG150	15.0	MOUNTABLE	1024 x 768	YES				
		990077						

VE150	15.0	MOUNTABLE	1024 x 768	YES	
VG150	15.0	MOUNTABLE	1024 x 768	YES	
VP150	15.0	MOUNTABLE	1024 x 768	YES	
VP1511	15.0	COMPOSITE	1280 x 1024	DIGITAL/ ANALOG	YES
VG1511	15.0	PIVOT	1024 x 768	DIGITAL/ ANALOG	
VP181 <sup>†</sup>	18,1	COMPOSITE VIDEO	1600 x 1200	DIGITAL/ ANALOG	YES
VG181 ∞	18.1	PIVOT	1280 x 1024	DIGITAL/ ANALOG	

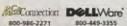
†Currently audio, composite video and picture-in-picture features are supported via analog only. Analog and available in black bezel

	Prof	Series		
ViewSonic Model	CRT Size/ Viewable	Horizontal Dot Pitch/ Aperture Grille Pitch	Maximum Resolution	TCO Low Radiation
PF79 #A	17/16.0	0.25/AG	1600 x 1280	TCO '99
PF775 *	17/16.0	0.25/AG	1600 x 1280	TCO '99
PS775 *	17/16.0	0.22	1600 x 1280	TCO '99
PF790 *	19/18.0	0.25-0.27/AG	1600 x 1280	TCO '99
PF795 *	19/18.0	0.25-0.27/AG	1920 x 1440	TCO '99
PS790*	19/18.0	0.22	1600 x 1280	TCO '99
P810	21/20,0	0.22	1800 x 1440	TCO '99
P815**	21/20.0	0.22	1800 x 1440	TCO '99
PES15 *	22/20.0	0.25-0.27/AG	1920 x 1440	TCO '99

# PerfectRat: ADigital and Arialog CRT #Short Depth Monitor \*\*Multi-port USB hub























# nest full of choices.

E <sup>2</sup> Series						
ViewSonic Model	CRT Size/ Viewable		Maximum Resolution	OnView*	Low Radiation	
EF70*	17/16.0	0.25/AG	1280 x 1024	YES	MPR-II	
E655	15/13.8	0.24	1280 x 1024	YES-	TCO '92	
E771	17/16.0	0.24	1280 x 1024	YES	MPR-II	
E773	17/16.0	0.23	1280 x 1024	YES	TCO '99	
E790 <sup>(56)</sup>	19/18.0	0.22	1600 x 1280	YES	TCO '95	

MultiMedia Series							
ViewSonic Model		Horizontal Dot Pitch	Maximum Resolution	TCO Low Radiation	Speakers		
MSO	15/13.8	0.24	1280 x 1024	TCO '92	2-watt (X2)		
M70 ™	17/16.0	0.24	1280 x 1024	TCO '92	2-watt (X2)		

podito available in black head

ViewSonic	con class	Horizontal	Maximum	Continue	100
Model		Dot Pitch	Resolution	Controls	Low Radiation
6773	17/16.0	0,22	1280 x 1024	YES	TCO '92
G5773*	17/16.0	0.22	1280 x 1024	YES	TCO '92
G5790*	19/18.0	0.22	1600 x 1280	YES	TCO '92
G810	21/20.0	0.22	1600 x 1280	YES	TCO '99
G5815*	21/20.0	0.21	1920 x 1440	YES	TCO '92

(	Optiq	uest	Powered	by ViewSonic
Model	CRT Size/ Viewable	Horizontal Dot Pitch	Maximum Resolution	Screen Treatment
Q41	14/13.2	.24	1024 x 768	Anti-Static, Anti-Glare
Q51	15/13.8	.24	1024 x 768	Anti-Static, Anti-Glare
Q55	15/13.8	.24	1280 x 1024	Anti-Statis, Anti-Glare, Anti-Reflection
071	17/16.0	.23	1280 x 1024	Anti-Static, Anti-Gians, Anti-Reflection
Q75	17/16.0	.21	1600 x 1200	Anti-Static, Anti-Giano, Anti-Reflection
Q95	19/18.0	.23	1600 x 1200	Anti-Static, Anti-Glare, Anti-Reflection
Q115	21/19.6	.22	1600 x 1200	Anti-Static, Anti-Glare, Anti-Reflection



For more information on the company that's won over 600 industry awards, call one of the listed ViewSonic dealers or visit ViewSonic at: www.ViewSonic.com/shopper

#### E20 Series - EF70

PerfectFlat® technology is now available in the price/performance ViewSonic EF70 monitor. The 17" (16.0" viewable) screen design eliminates curved surfaces and reduces light reflection to produce distortion free edgeto-edge precise images with minimal glare. With a 0.25mm ultra-fine aperture grille pitch and a high refresh rate of 87Hz at 1,024 x 768 resolution, the user is assured of bright, crisp images. The EF70 is the ideal choice for home offices, small business and corporate environments.



The Visual Technology Company"

# What Are The Three Most Important Factors For A Successful Online Business?

Reliable Web Hosting — so your Web site never goes down!

Ability To Efficiently Process Orders Online — now you're making money!

Promote Your Web Site —
get your Web site in front of the people
who are motivated to buy!

Until now, getting your business online and staying there has been confusing and time consuming. Where do I go? Who can I trust? How can I ensure long-term success? Coollink is the answer!

At Coollink, we know how confusing the world of e-Commerce can be and we have dedicated ourselves to providing a one-stop solution for all your needs.

Coollink Total e-Commerce Solutions start at just \$29.90 per month, with no minimum contracts. You decide what your business needs to be successful and we help you get there. Not only do we provide the reliable Web hosting that your business needs, but we also empower you with the tools that make e-Commerce a snap!

# Call Coollink now, 1-800-990-COOL!

(find out how we help promote your site, absolutely FREE!)
Coollink, we put e-Commerce within your reach!

# www.coolwebhosting.com The "Coollest" Place to Host Your Web Site!

Whether you are an individual who just wants to put a family photo album on the Internet or a business looking to expand its offerings and implement an e-Commerce strategy — Cool Web Hosting has the plan to meet your needs.

Once you select the plan that fits your needs, you can either fill out our online signup form or give us a call and we'll have your site up in no time. You'll get immediate access to begin uploading your files, creating e-mail addresses and configuring your site. We'll even handle the domain name registration paperwork for you, automatically, so you don't have to worry.

Web hosting starting as low as \$9.90 per month.

#### SILVER - \$9.90\* Month

- 50 MB Available Disk Space
- Unlimited Data Transfer
- Unlimited Auto Responders
- Unlimited Forwarding
- Unlimited POP 3 Accounts
- Full ASP Support
- Full CGI Access
- Real Time Statistics Server
- Supports FrontPage 2000
- Supports Cold Fusion 4.5
- 24 Hour FTP Access
- Toll Free Tech Support

#### BIZ - \$23.90\* Month

- 200 MB Available Disk Space
- 5 DSN ODBC Database Support
- SQL Server 7.0
- Raw Data Log Access
- Unlimited Data Transfer
- Unlimited Auto Responders
- Unlimited Forwarding
- Unlimited POP 3 Accounts
- Full ASP Support
- Full CGI Access
- Real Time Statistics Server
- Supports FrontPage 2000
- Supports Cold Fusion 4.5
- 24 Hour FTP Access
- Toll Free Tech Support

#### GOLD - \$15.90\* Month

- 100 MB Available Disk Space
- 1 DSN ODBC Database Support
- Unlimited Data Transfer
- Unlimited Auto Responders
- Unlimited Forwarding
- Unlimited POP 3 Accounts
- Full ASP Support
- Full CGI Access
- Real Time Statistics Server
- Supports FrontPage 2000
- Supports Cold Fusion 4.5
- 24 Hour FTP Access
- Toll Free Tech Support

#### CORPORATE - \$44.90\* Month

- 300 MB Available Disk Space
- Unlimited DSN ODBC Database Support
- SQL Server 7.0
- Raw Data Log Access
- Unlimited Data Transfer
- Unlimited Auto Responders
- Unlimited Forwarding
- Unlimited POP 3 Accounts
- Full ASP Support
- Full CGI Access
- Real Time Statistics Server
- Supports FrontPage 2000
- Supports Cold Fusion 4.5
- 24 Hour FTP Access
- Toll Free Tech Support

\*Requires one-year contract and \$50 setup fee.

Sign up by visiting coolwebhosting.com, or call 1-800-990-COOL (2665).



• 3 Year Limited Parts Warranty

Lifetime Labor Warranty

30 Days Money Back Guarantee

\*24Hours/7Days Tall-Free Technical Support (Optional for \$29,00)

\* 30 Days Earthlink Internet Access

100% Non-Proprietary & Upgradable









Best Buy Award - May 2000

ABIS<sup>19</sup>, provides as much power as you make hope for an a low-cost PC

Bed Buy Award - Dec 1997 Computer Shopper

E<sup>th</sup> Summer DVD Symmer is a mani-sering of the best staff on Earth."

Sest Buy Award -New 1999
Computer Shopper
11 than away and look outs of a good line Supreme DVD-1 is it."

Sest Buy Award -May 1999 Computer Shopper Low pick and received toylor and upport

PC World Top 5 Power Home PC -Jan 2000 "ASS" MHI Can Switter 1 has up to its rooms

PC World Top 5 Midvange Home PC -July 2010

Computer Buyer's Guide Best Buy -Feb 2000 The 301-GS is a capable system. It is life for that shome with SOHO upper."

May 2000, Dec 1999, Nov 1999, & May 1999 Computer Shopper Magazine

600066.GO@

#### ABS™ SUPREME 3D-1 GS

- # Computer Buyer's Guide Best Buy -Feb 2000
- . 128MB Fast SDRAM Memory
- . 20GB Ultra DMA66 Hard Drive
- ATI Xpert 2000 w/32M8 AGP Video Card
- OpenGL, DirectX, Direct 3D Support
- . 32X8X4 CD-ReWritable Drive
- . 19" 26mm DP 1600x1200 Color Monitor MPR II
- Upgrade to ViewSonic 19<sup>th</sup> 26mm DP Monitor @\$75
- Creative Labs SoundBlaster PC1128 Sound Card & Mic
   Laboro LCW-2414 Subwooler Speaker System
- . ZOOM 54K V90 Data/Fax/Voice Mode
- . 1.44M8 Floppy Drive, High Speed I/O Ports: 25.1P. IG, 2USB
- ABS™ Internet Keyboard & ABS™ NetScroll Mouse
- « Microsoft Windows '98 Second Edition
- . Free Software: Corel Wordperfect Office 2000 CD
- . Free Solovane: Groller's Encyclopedia CD & Norton AntiVirus CD
- \* Optional One-Year Supreme Ontite Service \$29

Intel Pentium III Processor 567MHz \$1389 #8085

> 733MHz \$ 1439 866MHz \$ 1759 800MHz \$ 1579 933MHz \$ 1939

#### ABS™ ALL U CAN SYSTEM I

- . 256MB Fast SDRAM Memory
- 40GB Ultra DMA66 Hard D.
- . IOX DVD-ROM
- . 32X8X4 CD-ReWritable Drive
- . Cresove WebCam Go Portable Camers
- ATI All-In-Wonder JIMS AGP w/TV Tuner & TV-In/Out
- 19" 26mm DP 1600x1200 Color Monitor, MPR II
   Upgrade to PF790 .25DP "Perfect Flat" Monitor @\$249
- Creative Labs SoundBlaster Livel Platinum Sound Card & Mic
   Cambridge SoundWorks Desktop Theater 5.1 DTT2500
- 3COM/USR 56K V90 Hardware Modern w/Speakerphone
   1.44MB Flooply Drive. High Speed I/O Ports: 25.1P, IG, 2USB
- New: MS Natural KeyboardPro & MS IntelliMoute Exp
   Microsoft Windows 98 Second Edition
- . Corel WordPerfect Office 2000 & Norton Asswirus CD
- USB Flatted Color 368ts 300x000DPI Scanner
   Epson Stylus 670 Color Inkjet Printer upon (0PPM B/W)
- sonal One-Year Supreme Onsite Service \$29

Intel Pentium III Processor

667MHz \$2489 #8175

733MHz \$ 2549 866MHz \$ 2859 800MHz \$ 2679 933MHz \$ 3039

#### ABS TH SUPREME DVD I

- inguter Shopper Best Buy May, Nov 1999
- . 256MB Fast SDRAM Memory . 30GB Littre DMA66 Hard Drive
- MOR-DVD X01
- Digital Color Inverses Camera
- . 32X8X4 CD-ReWriter Drive
- Nivida GeForce 256 32MB SDR 128Bas 4X AGP
   19" 26mm DP 1600x1200 Color Monitor, MPR II
- . Creacive Labs SoundRisser Livel Value Sound Card & Mic
- . Cambridge SoundWorks FPS2000 Digital Surround Sound
- . ZOOM 56K V90 Dzo/Fzx/Voice Mod
- . I.44MB Floppy Drive, High Speed I/O Ports: 25, IR, IG, 2USB
- MS internet Keyboard will key web access & MS intelliffor
- . Microsoft Windows '98 Second Edition
- Free Groter's Encyclopedia CD & Norton AntiVirus CD
- Free Software: Corel Wordferfect Office 2002 CD
   Optional One-Year Supreme Onsite Service \$29

Intel Pentium III Process

667MHz \$1879 #8115

733MHz \$ 1929 866MHz \$ 2249 800MHz \$ 2069 933MHz \$ 2429

#### ABS™ PERFORMANCE ALPHA

- \* Computer Shopper Best Buy -May 2000
- . 256MB Fast SDRAM Memory . 30GB Ultra DMA66 Hard Drivi
- I (0X DVD-ROM & Digital USB Currers
- . 32x8x4 CD ReWritable Drive
- Nvida GeForce 256 32MB SDR 128Bits 4X AGP
- Upgrade to Creative Annihilator 32MB DDR 4X AGP @\$39
   19\* .26mm DP 1600x1200 Color Monisor; MPR II
- Creative Labs SoundBlaster Livel Plasinum Sound Card & Mic
   Cambridge SoundWorks FP\$2000 Surround Sound System
- 3COM/USR PCI Hardware 56K V90 Data/Fax/Voice Modern
- . 1.44MB Floppy Drive and Microphone
- ABS<sup>TM</sup> Interrect Keyboard wissey interrect access keys & NetScroll Mouse
- Microsoft Windows '98 Second Edition
- . Free Software: Corel Wordserfect Office 2000 CD
- « Free Software: Groller's Encyclopedia CD & Norton AntiVirus CD
- \* Optional One-Year Supreme Onsite Service \$29

Intel<sup>®</sup> Pentium<sup>®</sup> III Proces 667MHz \$2019 ##145

733MHz \$ 2079 866MHz \$ 2389 BOOMHz \$ 2219 933MHz \$ 2569

#### ABS™ ALL U CAN SYSTEM 2

- . 128HB Fast SDRAM Hemory
- . IOX DVD-ROM
- ATI All-In-Wonder 32MB AGP w/TV Timer & TV-In/Out
- Digital Color Internet Carner
- . 32X8X4 CD-ReWritable Drive
- . 19" 26mm DP 1600x1200 Color Monitor, MFR II
- · Creative Labs SoundBlaster Livel Value Sound Card & Mic
- Cambridge SoundWorks Digital 1 Pieces Sound System
   ZOOM 56K V90 Data/Fax/Voice Modern
- . 1.44MB Floppy Drive, High Speed I/O Ports: 25, IP, IG, 2USB
- ABS<sup>TM</sup> Intermet Keyboard wiresry internet access keys 8 NetScroll Mouse
- Microsoft Windows '98 Second Edition
   Corel WordPerfect Office 2000 & Norton Assivirus CD.
- USB Flatbed Color 36flets 300x600DPI Scanner
- . Canon Bubble Jet 2010 Color Frinter
- \* Optional One-Year Supreme Onsite Service \$29

Intel Pentium III Processor 667MHz \$1889 #8185

733MHz \$ 1949 866MHz \$ 2259 800MHz \$ 2089 933MHz \$ 2439

#### ABS™ SUPREME DVD 3

- \* Computer Shopper Best Buy -Dec 1999 128MB Fast SDRAM Memory
- . 20GB Libra DMA66 Hard Drive
- MOS-DVD-ROM
- . 19" .26mm DP 1600x1200 Color Monitor, MPR II . ATT Xpert 2000 w/12MB AGP Video Card
- OpenGL DirectX, Direct 3D Support
- . Creative Labs SoundBlaster Live! Value Sound Card & Mic
- Cambridge Sound/Works FPS2000 4 Pieces Digital Surro Sound Speaker System w/Powered Subwooler . ZOOM PCI S&K V90 Data/Fax/Voice Modern
- . I .44MB Floppy Drive and Microphone . Alt5™ Internet Keyboard & ABS™ NetScroll Mouse
- Microsoft Windows '98 Second Edition
- . Free Software: Corel Wordperfect Office 2000 CD
- Free Software: Groller's Encyclopeda CD & Norton AntiVino CD
   \* Optional One-Year Supreme Onsite Service \$19

Sales Open & Days a Week Mondo

Incel Pentium III Process 667MHz \$1429 #8135

733MHz \$ 1489 866MHz \$ 1799 800MHz \$ 1619 933MHz \$ 1979

y-Friday 7:00AM-7:00PM PST Saturday 9:00AM-3:00PM PST

#### ABSTM PERFORMANCE I

- . 256MB Fast SDRAM Memory
- . 40G8 Ulus DMA66 Hard Drive , IZX DVD-ROM
- . 32X8X4 CD-ReWritable Drive
- Digital Color Internet Camera
   New: Nvidia GeForce II 256 32MB DDR 4X AGP w/TV-Out
- 32MB 350MHz DDR RAM Full OpenGL DirectX/3D Suppor 19" 26mm DP 1600x1200 Color Monitor, MPR II
- Creative Labs SoundBlaster Live! Plastnum Sound Card & Mic
- Cambridge SoundWorks FPS2000 Surround Sound System
- ZOOM 56K V90 Data/Fax/Voice Modern
- I.44MS Floppy Drive, High Speed I/O Ports; 25,17, LG, 2USB. . MS Natural KeyboardPro & MS Intell Mouse Explora
- Microsoft Windows '98 Second Edition
- « Free Groller's Encyclopedia CD & Norton AntiVirus Free Software: Corel WordPerfect Office 2000 CD
- \* Optional One-Year Supreme Onsite Service \$29

Intel Fentlum III Proces 667MHz \$2239 #8155

733MHz \$ 2299 866MHz \$ 2619 800MHz \$ 2439 933MHz \$ 2799

#### ABS™ SUPREME 3D SYSTEM 2

- . 128MS Fast SDRAM Memory
- . 20GB Ultra DMA66 Hard Drive
- · Creative \$2X CD-ROM Drive
- . Upgrade to 10X DVD ROM @\$79
- · ATI Xpert 2000 w/32MB AGP Video Card
- OpenGL, DirectX, Direct 3D Support
- . 19" 26mm DP 1600x1200 Color Monitor, MPR II . Creative Libs Ensoning 32V Waverable Sound Card
- Laboric LCW-2414 Subwoofer Speaker System
- . ZOOM 56K V.90 Data/Fax/Voice Modern & Mic
- . 1.44MB Floppy Drive, High Speed I/O Ports. 25.1P. IG. 2USB
- ABS™ Keyboard & ABS™ NetScroll Mount . Microsoft Windows '98 Second Edison
- · Free Graiter's Encyclopedia CD & Norton AnsiVirus CD
- . Free Software: Corel WordParfect Office 2000 CD \* Optional One-Year Supreme Onsite Service \$29

533MHz \$1079 #8029

600MHz \$ 1109 633MHz \$ 1139 lecel Pentium III Processor 667MHz \$ 1209 733MHz \$ 1259

#### ABS™ MULTIMEDIA SYSTEM 6

- . CNet Editor's Choice -Jan 2000 . 64MB Fast SDRAM Hemory
- . 10G8 Ultra Hard Drive
- . 10X DVD-ROM Drive . ATI Xpert98 8MB AGP Video Card
- 1600x1200x16.7 Million Color 15° Color 1024x768Max Mores
- Upgrade to 17" 27mm DP | 290x | 024 Monitor @\$79
   Crestive Labs Enterviry 32V Sound & Mic
- Labtec LCS-1050 Powered Stereo Speakers
   ZOOM 56K V90 Data/Faa/Voice Modern
- . I.44MB Floppy Drive, High Speed I/O Ports: 25.IP. IG, 2USB
- . ABS™ Keyboard & ABS™ NetScroll Mou Microsoft Windows '98 Second Edition
- Free Gratier's Encyclogedia CD & Norson AntiVirus CD
   Free Software: Corel WordPerfect Office 2000 CD

\* Optional One-Year Supreme Onace Service \$29

Intel® Celeron® Processor w/12KB Cache
\$829 #8069 600MHz \$ 869 633MHz \$ 899 Intel Pensium III Processor 667MHz \$ 969 733MHz \$ 1029



http://www.buyabs . c o m

Technical Support: 7:00am-6:00pm PST
Technical Support: 800.685.3471 General Office: 562.695.8823

9997 East Rose Hills Road, Whittier, CA 90601





At ABSTM, we understand that the best way to be bullet proof is to simply dodge the bullet. Don't take chances with your business. Count on the 10 years of experience ABS™ has building quality computer solutions. Trust the reliability of our pure Intel based servers, workstations and desktop technologies. Rely upon our MCSE + Internet, MCT, CNE, CNA, CCNA, Comptia A+, IBM Firewall, and Citrix certified engineers to help keep your business running smoothly. Only then, can you rest assured that your business is indeed bullet proof.





#### INTEL ISP/INDUSTRIAL 2U RACK SERVERS



#### ABS™ MONSTRA™ SB SERVER

#### **Small Business**

Advented Seven have Groung has

- . Intel® L440GX Server Board
- « (Dual Processor Upgradeable)
- . 128MB ECC Fast SDRAM Memory
- . 9GB 7200rpm UltraZWide SCSI . 52X CD-ROM Driv
- . Integraced 2MB SGRAM Video
- hegrated EtherExpress Pro+10/100
- . Integrated SCSI Dual Channel Ulora/Wide and Litra/Narrow SCSI Controller
- . 1 AHHS Floppy Drive, High Speed I/O Ports: 25, IP. 2LISS
- . ABS\*\* Keyboard & ABS \*\* NetScroff Mouse
- Intel<sup>®</sup> Astor II Server Chasis
  wiS Hop-Swap Drive Bays w/2 Fans
- . Optional Microsoft NT Server 4.0 will Client Access (\$535) . Optional UPS APC 1000 @\$500

Intel Pentium III Processor

#8851 Bus. Leases starting of \$66/MO. ( 36-MO.)

750MHz \$ 1739 BOOMHz \$ 1779

#### I.44MB Floppy Drive, High Speed I/O Ports: 25,IP, 2USB ABS™ Keyboard & ABS™ NetScroll Mouse

- . Intel<sup>®</sup> Astor II Server Chasis w/S Hop-Swap Drive Bays w/2 Fans

800MHz \$ 2309

#### **IU RACK SERVER ISPI100**

- . 128MB ECC SDRAM (IGB MAX) . 15G8 7200rpm Hard Drive
- 24X CD-ROM Slimbine
- . Dual Intel<sup>®</sup> (0/100 Ethernet Card
- . I.44MB Floppy Drive. I/O Ports: 25.18:2USB
- · Compact IU (1.75") high rack chansis
- . Black Bezel w/9 LEDs
- . Single screw access to top cover, Tool less access to . I Full size PCI slot and I Low Profile PCI slot for
- and party add-in cards
- . 125 Watt Power Supply

  Optional Microsoft NT Server 40 w/10 Client Accest @\$525

Intel Passines III Processo 700MHz \$ 1799 #8871

Bus Leones starting of \$70/MO. ( 36 MO.) 750MHz \$ 1829

#### ABS™ MONSTRA™ WG SERVER

#### Workgroup

- . Irnel L440GX Server Board
- · (Dim) Processor Upgradeable)
- . 256MB ECC Fast SDRAM Memory . 9G8 7200rpm Ultrs/2Wide SCSI
- . SZX CD-ROM Drive
- Integrated 2MB SGRAM Video
- Integrated Ether Express Pro+ 10/100
   Integrated SCSI Dual Charnel Ultra/Wide and
- Utors/Narrow SCSI Controller

  Adapted RAID Controller w/ CI/O Management Softw

- . Costonal Microsoft NT Server 40 w/10 Client Access (0:\$525
- . Optional RAID I w/One Extra 9GB SCSI UZW HD @\$250
- . Optional RAID 5 w/Two livers 19GB SCSI UZW HD @\$500

Intel Pentium III Proce

\$2239 #8861 ng at \$87/MO. ( 36-MO.)

750MHz \$ 2269

#### 2U RACK SERVER ISP2150

- . httel Persum III Processor
- Dual Processor Upgradable
   F28MB ECC SORAM (2GB Max)
- 9GB 7200rpm SCSI Hard Drive
- . 24X CD-Rom Slimine
- . Intel® 10/100 Ethernes Card
- . 1.44MB Floppy Drive, I/O Ports: 25, IP. 2USB . Compact, 2u (3.5") high rack chassis
- Black Bezel wienhanced LED support
   4 Hot-Swip RAID Capable Drive Rays
- . Optional Microsoft NT Server 4.0 w/10 Client Access (0)\$525
- Opportal RAID Controller @ \$500
   Opeional RAID 1 w/One Eatra 9GB SCSI UZW HD @\$250
- . Opeonal RAID 5 w/Two Extra 9G8 SCSI UZW HD @\$500

Intel Pentium III Processor \$2489 #8875

Bus, Leases starting at \$96/MO. (36-MO.)

#### ABS™ MONSTRA™ ET SERVER

#### Enterprise

- . Intel® C440GX+ Server Board
- (Dual Processor Upgradeable)
- . 156MB ECC Flat SDRAM Hemory . 9GB 7200vpm Ultra2Wide SCSI
- . 52X CD-ROM Drive
- . Integrated 2MB SGRAM Video
- . Integrated EtherExpress Pro+10/100
- Integrated SCSI Dual Channel Ultra/Wide and Ultra/Narrow SCSI Controller
- . Adaposc RAID Controller 133U2 w/CI/O Manage
- I.44MB Floppy Drive, High Speed I/O Ports: 25.1P, 2USB
   ABS™ Keyboard & ABS™ NecScroll Mouse
- Irosi<sup>®</sup> Cubrillo C Server Chasis w/S Hox-Swap Drive Bays w/2 Pars
   Opsional Microsoft NT Server 4.0 w/10 Client Access @\$525
- Optional RAID 1 w/One Extra 9GB SCSI USW HD @\$250
- Optional RAID 5 w/Two Extra 9GB 9CSI UZW HD (€\$500)

Intel Pentium III Proce 550MHz \$4139 #8870

Bus. Leases starting at \$1.55/MO. (36-MO.)

#### CONQUEST VL DESKTOP

#### **Value System**

- Intel® 810 Chipset Motherboard
- 64MB Fast SD RAM
- . 10G8 Ulura DMA66 Hard Drive
- 52X CD-ROM Drive
- . Intel® 2D/3D Grashics Accelerator
- I.44MB Floppy Drive, High Speed I/O Ports; 25, IP, IG, 2USB.
   ABS™ Keyboard & ABS™ NetScroll Mouse.
- Microsoft Windows '98 Second Edition
   Optional 15" JBDP Color Monitor @\$140
- Optional 56K V.90 Fax Modern @\$35
- . Optional 10/100 Ethernet Card @\$25

itel Celeron Processor w/128KB Cache \$579 #8810

g at \$22/MO. | 36-MO. |

533MHz \$ 1999 700MHz \$ 759 750MHz \$ 799

#### 3COM CONNECTED SYSTEMS

What is ICom Connected \*\* Systems!

The ICom Conrected logo on the system you buy means the world's most reliable, best performing NIC. PC Card, or modern are built right in ICom Connected systems by ABS\*\* have the best connected so networks, the internet, or office services, to you and your family spend less time getting ected and more time being connected.

Why 3Com Connected Systems?

Having a 3Com network interface card/modern/PC Card in your ABS<sup>TM</sup> Conquest Desktop ensures that you're getting successful connections to a network and the internet from the successful connections to a network and the internet from a world's most popular, choice for PC connectivity solutions.

The 3Com Connected logs on ABS<sup>519</sup> PCs means successful connections with the best, most popular, and compatible network interface cards/moderns/PC cards. Save time with 3Com Connected Systems from ABS™, there's no need to buy, install, and configure extra hardware for a

successful connection to your networkthis Internet.
A PC with the 3Com Connected logo gives you successful connections to your networkthis Internet.
Benefits of JCom Connected Systems

ABS<sup>TM</sup> Conjugent Desktop with pre-installed 3Com NICs give you the power of Parallel Tasking® performance for the world's fastest data transfers across you'r networld'. ABS<sup>TM</sup> systems with pre-installed 3Com moderns bring you features such as V90 support for 56K transfers, full-duplex speakerphone, Caller ID and Call Wairing support, and Plath

easy upgrades to higher performance. ABSTM systems with pre-installed 30 systems with pre-installed 3Com PC Card moderns there's no need to carry a cable.

#### PERFORMANCE NOTEBOOK



- . 14.17 TFT Active Color XGA 1024x768 Display
- Intel 4406X Chipset Mainton
   64MB 144PN DIMM DRAM
- &GB Removable Module Hard Drive
   24X CD-ROM & I 44MB Roppy Drive . IPHB 128Bby 2X AGP Graphics

\* One Year Parts and Labor Warranty

- SAKbps V.90 Data/Fax Modern PCMCIA
- Wavesable 3D Sound w/Built-in mono mic and Stereo Spe
- One Serial One Parallel, One PS/2 mouse/layboard. One Audio Out, and One USB ports:Two Typell One Typell PCPYCIA Sion
- . 19mm Keys Win96 built in Keyboard & Touch Pad Mouse Latitum-ion Battery, AC Adapter, Carrying Case Hicrosoft Windows '99 Second Edition, Manual & CD

Bus. Leases starting at \$72/MO. (36-MO.) 600MHz \$ 1919 \*\*\*\*

650MHz \$ 2019 mmz



http://www.abscorporate.com

en 5 Days a Week Monday-Friday 7:00AM-5:30PM PST

Technical Support: 7:00am~6:00pm PST Technical Support: 800.685,3471 General Office: 562.695.8823 9997 East Rose Hills Road, Whittier, CA 90601











#### FEEDBACK FORUM

The editors of Computer Shopper want to hear from you. Write to:
Feedback Forum, Computer Shopper, 28 E. 28th St., 10th Fl.,
New York, NY 10016-7922.
Online, contact us via
computershopper.com or e-mail us at cs.feedback@zd.com.

#### BROADBAND BASICS

I thought your intro to the June "Buying Advisor" column, "The Lowdown on High Speed" (p. 298), was generally quite good. It neatly covered the essential differences between DSL and cable access. A few issues need clarification, however.

First, DSL- and cableaccess providers don't really need to set minimum hardware requirements. If your hardware runs your software adequately and supports an OS that can handle TCP/IP networking over 10BaseT Ethernet, you're fine. Even an old 486 machine has enough gas to handle a 768Kbps DSL connection given enough RAM.

Second, any modern OS
will do, unless your modem is an internal
DSL model that's only supported by
Windows. Solaris, Linux, FreeBSD, and several other alternatives all have this support.

Finally, the article lacked any mention of security. The typical naive Windows user with an always-on Internet connection will be scanned within the first day and hacked within the first week. It seems irresponsible to not mention the high risks involved, the availability of products like BlackICE Defender, or firewall options, many of which are free.

PAUL ALLEN

#### BUILDING A BETTER STORE

I agree with the advice given in the June Biz-to-Biz feature "Site Promotion Pays" (p. 246). Simply placing a store online does not guarantee success. Be aware of your site's response times. It's a serious danger if your potential customers have to wait two or three minutes twiddling their thumbs because your host doesn't have enough bandwidth to adequately support a large number of hits. Also, find out if your host can track important traffic information

like how many hits your site receives, regardless of whether anyone has actually purchased anything. Also, investigate how good its tech support is—it may only provide limited FAQs. It's wise to think hard about your online store before jumping in.

MARK DENSON

#### **AUCTION STREET SMARTS**

As the June feature "Pry Before You Buy" (p. 190) stated, it's worth your while to check out an online retailer before making the big purchase. All it takes is one bad online shopping experience to turn you off from the urge to save money using personal online auctions. For instance, after two months, I am still waiting for that cheap laptop hard drive with the great specs.

Large sites like Egghead.com are fine; I've spent thousands of dollars there for all kinds of stuff. It's wise to be careful with the

BEFORE (11// SL/F

BEFORE (11//

personal one-on-one auctions, however. It's my advice to use a charge card if possible or else move on.

GERRY WAGNER

#### IMPRESS YOURSELF, BUILD A PC

As pointed out in the January "Buying Advisor" column ("Build Your Own Powerhouse PC," p. 156), I believe that it does pay to build your own PC. It's satisfying and makes you feel very good about yourself when you've finished. If you know a little bit about computers—and know exactly what you want—it's in many cases a cheaper option.

DAN O'BRIEN

We agree: Building your own system can be rewarding in many ways other than the final price. The technical knowledge and confidence gained is invaluable. Our October Tune-Up feature will give you step-by-step instructions on how to construct a robust PC. —Ed.

#### PROBLEMATIC PALM



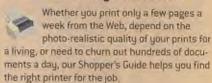
Reading the June Tune-Up feature, "Make the Palm Connection"

#### < COMING NEXT MONTH >

#### Gentlemen, Start Your Engines

Today's desktop systems deliver blast-off computing power, but determining which scorcher is the best deal can be a challenge. We pit the most powerful desktops money can buy head-to-head to see which has the most under the hood.

#### **Printers for Every Persuasion**



#### Internet Free-for-All

Many companies provide fast and easy Internet connections, but you'll pay roughly \$20 a month for access. Now you don't have to: A handful of firms deliver the Net for free—some even offer fast broadband connections—provided that you're willing to accept a few trade-offs, We size up the major players and let you know if the hassles are worth the savings.

#### Systems for Seniors

Senior citizens are a lot more tech-savvy than you might think. In fact, they're among the fastest-growing groups of Web users in the United States. Check in for a look at which types of systems meet their needs, plus some tips on great peripherals, software, and resources.

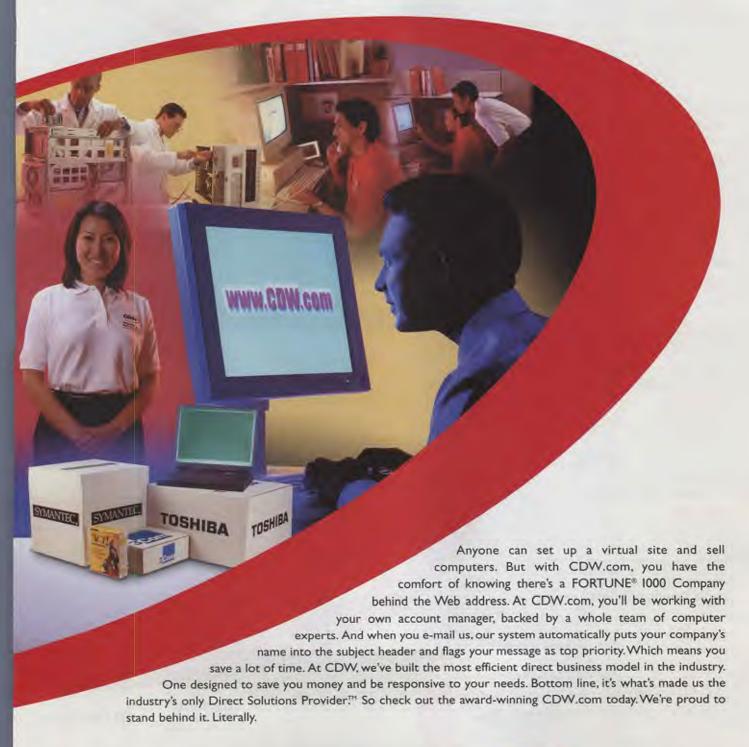
(p. 288), brought back some bad memories of my Palm organizer. Though as a product the Palm is useful, its quality leaves much to be desired. I enjoyed using my Palm III and had no problems with it until just a month before the warranty expired. Even under normal conditions it had started to wear out new batteries in no time flat. It got to a point where I couldn't rely on it to store my newly entered data. I tried everything tech support could think off, but nothing worked. I hope no one else has to go through this kind of experience.

RUTHY CAMDEN

I've used several PDAs over the years, and the Palm III was the first one I didn't need to upgrade. I've also had a number of units that have broken on me, but they were replaced by Palm within 24 hours at Palm's expense. Although I've had some problems hot-syncing, it's never taken more than an uninstall and reinstall of the organizer's software to fix.

MIKE MILLER

# CDW.com. Every solution comes with your dedicated account team.





Computing Solutions
Built for Business™
www.cdw.com
800-726-4239

# Take a step forward by backing up

Be sure that your company is ready for the future by backing up the past. With this server solution, you have the equipment you need to store your data and ensure that your company is ready for the long road ahead. For more information on how to protect your business, log onto CDW.com and use SC#13931.

Back up your system quickly and efficiently with the Exabyte Mammoth-2 tape drive.

Exabyte Mammoth-2 LVDe

150GB compressed SCSI LVD external M2 (8mm) tape drive

4299.39

CDW 190858

Computer Associates' ARCserveIT V6.61 performs backup and restore functions for your local server and connected Windows systems.

Computer Associates ARCserveIT V6.61

Workgroup edition

Advanced edition

\$399.82 CDW 160265 \$799.92

CDW 160264

The HP SureStore DAT40e drive provides storage options for a wide range of organizations and

HP SureStore DAT40e

External DDS-4 drive

\$1379.36

CDW 186458

networks

Protect your business from dangerous power surges and power loss with the APC Smart-UPS 1000NET.

APC Smart-UPS 1000NET

\$479.38

CDW 79238

Does your business have the power it needs? Give your business a boost into the future with a Simple Technology memory upgrade.

Simple Technology 64MB memory module

\$559.96

CDW 207746

www.cdw.com/smartcode.

COMPAQ



The Compaq ProLiant DL360 server is the perfect solution for companies requiring ultra high-density rack servers for Web farms and other high volume deployments. The 1U 1.75" rack form-factor allows for up to 42 servers in a standard Compaq 42U rack, and it offers superior flexibility with your choice of five deployment options.

Compaq ProLiant DL360 Server 800MHz Intel\* Pentium\* III with dual-processor capability

\$4987.54

CDW SmartCode

Put the power of CDW.com to work on your needs.

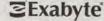
Simply go to www.cdw.com and type in the SmartCode number (i.e. SC#00001) In the search engine at the top of the page and see all the technical specs, stock status and real-time pricing. Or If just one piece of this solution is what you need, simply type the CDW number (i.e. CDW 000001) into the same box and you're there. For more information on CDW SmartCodes, just log on to

IBM.



InFocus'















©2000 CDW\* Computer Centers, Inc. 200 N. Milwaukee Avenue, Vernon Hills, IL 60061 CSS924B 8/00

Now you can organize your schedule, store data and share information all in color with the Palm IIIc™ Connected Organizer.

Palm IIIc Connected Organizer

\$449.00

CDW 207626

The 4.8-pound InFocus LP335 projector is easy to travel with and its 1024 x 768 XGA resolution delivers a brilliant presentation.

InFocus LP335 projector

\$5299.00

CDW 217843

Store and retrieve music, data, photos or video CD's while you are away from the office with the Archos MiniCDRW CD-RW USB drive.

Archos MiniCDRW

CD-RW USB drive

\$289.00

CDW 206297

Ensure you have the power you need before you leave the office. Enhance your performance with a Simple Technology memory upgrade.

Simple Technology 128MB memory module

\$186.85

CDW 197423

# **Mobile productivity**

Whether your business takes you to the busy streets of New York or the majestic mountains of the west, this notebook solution will ensure that you can get your work done. Store data, make presentations or organize your schedule without stepping foot into your office. To learn more, visit CDW.com and use SC#13932.

# SONY

The 3-pound, 1-inch thin Sony VAIO PCG-SR7 notebook computer packs a fully functional PC into an easy to carry case. It also has many digital entertainment capabilities to provide an all around computing solution for your business.



## Get back to the basics

Give a new employee a strong start with this desktop solution. It provides the essentials to get started and offers the expandability to grow with your business into the future. To learn more about this solution, visit CDW.com and use SC#13933.

E IBM PC 300GL desktop computer delivers

The IBM PC 300GL desktop computer delivers dependable performance at an affordable cost. Its 600MHz Intel® Pentium® III processor, 10.1GB hard drive and data protection features enable you to focus on your business.

IBM PC 300GL Desktop computer

\$1049.65

CDW 192812

Monitor sold separately



Print documents with outstanding color quality or even print your own photographs with the HP DeskJet 952C color inkjet printer.

HP DeskJet 952C Printer

Color inkjet printer

\$299.00

CDW 201840

Conserve power and space with the ViewSonic VP150 15-inch LCD display. It delivers high contrast and impressive brightness, making it the ideal choice for office environments.

ViewSonic VP150

15-inch LCD display

\$1029.00

CDW 122327

Make sure that your office has the storage it requires. The Sony Spressa CD-RW Drive records quickly and has a USB interface that offers hot-swappability.

Sony Spressa CD-RW Drive

4X4X6 external USB CD-ReWritable drive

\$309.12

CDW 195720

All pricing subject to change. For all prices and products, CDW\* reserves the right to make adjustments due to changing market conditions, product discontinuation, manufacturer price changes or typographical errors in advertisements. All products sold by CDW are third party products and are subject to the warranties and representations of the applicable manufacturers. Please refer to www.cdw.com for additional terms and conditions.

02000 CDW\* Computer Centers, Inc. 200 N. Milwaukee Ave., Vernon Hills, IL 60061 CS5924C 8/00



Computing Solutions Built for Business™

www.cdw.com 800-726-4239

# Simple solutions from CDW.

#### APPLE

iBook 300MHz

....CDW 180453 ....CDW 180456 64MB.....CDW 180455 32MB 128MB ..

iMac 350MHz, iMac DV 400MHz Series 32MB.......CDW 190764 64MB....CDW 190765 128MB.......CDW 190766 256MB...CDW 190767

Power Macintosh G4 400-500MHz 32MB .....CDW 184958 64MB .....CDW 184959 128MB ......CDW 184960 256MB ....CDW 184961

.....CDW 184958 .....CDW 184960 .....CDW 184962

#### COMPAO

Armada E700, M700, V300, E500 333-650MHz 32MB.......CDW 183788 64MB....CDW 183791 128MB......CDW 183792 256MB...CDW 203836

Deskpro EN Series, EP Series 350-650MHz Pentium III PC 100 64MB .... CDW 115517 256MB ... CDW 192846 CDW 115516 128MB .CDW 115518 32MB ......CDW 115520 128MB ......CDW 115522 64MB .....CDW 115521 256MB ...CDW 152852

Prosignia 170 Pentium III 32MB CDW 197400 32MB .......CDW 197409 128MB ......CDW 197411 64MB ..... CDW 197410

Presario 1247, 1277, 1278, 1279, 1600's 350-475, 1692, 1693, 1694, 1800T-500, 1830 Pentium III, 1930, Prosignia 150 Series 32MB .....CDW 160983 64MB .....CDW 160984 128MB .......CDW 160986

Presario 3550, 5440, 5452, 5460, 5465, 5475, 5855, 5861, 5868, 5875, 5888, 5900Z, 450-750MHz, 5700T Pentlum III Series 32MB .......CDW 114022 64MB ....CDW 114023 128MB .....CDW 114024

ProLiant 800, 800R, 1600, 1600R, 1850, 1850R, 3000, 3000R, CL1850, Prosignia 740 350-600MHz Pentium III 64MB ... CDW 124014 128MB ... CDW 124030 CDW 124030

128MB ... CDW 124029

## Call for the latest memory pricing

ProLiant ML 350, 370, 530, DL380 128MB ......CDW 207745 256MB...CDW 207746 512MB ......CDW 207747

ProLiant 8000, 8500 550MHz Pentium III 512MB...CDW 194131 256MB .......CDW 194130 1024MB ......CDW 194104

#### HEWLETT-PACKARD

HP OmniBook 4150, 900, XE2 Pentium III 64MB.....CDW 200134

32MB ......CDW 200133 128MB ......CDW 200096 HP NetServer E 60 64MB .......CDW 168217 256MB ......CDW 168220 128MB...CDW 168218

HP NetServer LPR, LH3, 350-600MHz Pentium III 64MB .......CDW 122703 256MB ......CDW 122705 128MB...CDW 122704

HP Pavilion 4553Z, 4563Z, 6540C, 6545C, 8550C, 8556C, 8565C, 8566C, 8575C, 8578C, 8580C, 8586C, 8595C, Pentium III 32MB..........CDW 115818 64MB.....CDW 115819 128MB ......CDW 115820

ThinkPad 390X, 600X Pentium III 32MB.......CDW 193100 64MB.....CDW 193101 128MB.......CDW 193102

ThinkPad 390E, 570, 770, 740E, 770ED, 600, 600E, 240
32MB.........CDW 114774 64MB....CDW 1147

.CDW 114774 64MB .....CDW 114775

PC 133MHz ECC

PC 183MHz ECC 64MB......CDW 194136 128MB...CDW 194137 256MB......CDW 194138 Aptiva E, S Series Pentium III, PC 300PL 6862, 6892 Series, 300GL 6275, 6287, 6892 Pentium III ......CDW 115053 64MB .....CDW 115054 128MB

#### SONY

VAIO F430, F450, F370, F390 Pentium III .CDW 197421 .CDW 197423 64MB ..... CDW 197422

VAIO XG9, XG18, XG19 32MB ...... CDW 197418 128MB ...... CDW 197420 64MB.....CDW 197419

#### TOSHIBA

tium III ......CDW 191867 B ......CDW 192327 64MB.....CDW 191869 128MB ..

Satellite 2060, 2595, 2065, 2550, 2590, 2615, 2655, 4090XDVD, Portege 7000CDT, Tecra 8000 Series 32MB ... CDW 126677 64MB ... CDW 126678 128MB ... CDW 126678 Satellite 2505, 2515, 2520, 2535, 2530, 2540, 2545, 2510, Tecra 540 32MB ... CDW 109497 64MB ... CDW 110309

Portege 3110 \_\_\_\_\_CDW 183794 64MB.....CDW 183799

#### FLASH CARDS and READERS

# simple

cameras and other electronic devices.

### "Digital Film" for Digital Cameras



CompactFlash		ATA Flash P	C Cards
8MB	\$37.89 CDW 101577	16MB	\$63.14 CDW 66563
16MB	\$52.53 CDW 101579	24MB	\$88.54 CDW 73711
32MB	\$88.17 CDW 101581	32MB	\$99.35 CDW 126772
48MB	\$109.64 CDW 117155	48MB	\$129.60 CDW 108455
64MB	\$139.80 CDW 153589	64MB	\$176.88 CDW 98965
96MB	\$209.64 CDW 164544	80MB	\$219.26 CDW 108456
128MB	\$279.71 CDW 164545	128MB	\$325.36 CDW 108457
CF Adapter	\$15.95 CDW 72851	160MB	\$389.80 CDW 108458
SmartMedia (3	volt)	224MB	\$529.50 CDW 132050
8MB	\$25.85 CDW 100470	320MB	\$829.82 CDW 180877
16MB	\$43.61 CDW 129326	448MB	\$1069.49 CDW 180878
32MB	\$79.83 CDW 162427	512MB	\$1146.24 CDW 180879
SM Adapter	\$47.80 CDW 141194		

## PhotoReader Available in parallel port and USB



The fast and easy way to get images from a digital camera to your computer. PhotoReader makes any digital camera more versatile and fun to use. Once you've taken pictures with your digital camera, simply take the flash card from the camera and plug it into PhotoReader. Your system will automatically recognize your card. Now you can copy images directly to your computer, or play them directly off the flash card with your favorite "slide show" software.

CompactFlash USB CDW 140297 \$49,00

CompactFlash Parallel Port CDW 133274 \$54,49

SmartMedia USB CDW 133277 \$59,61

#### PORTABLE HARD DRIVES



#### Data Transfer Kit

Automatically format and mirror your existing system to a new hard drive. No more floppy swapping or reinstalling Windows, Connects through a parallel port.



\$65.70 CDW 96056

#### All Simple hard drives feature:

FREE EZ Drive software

REMOVABLE DRIVES

Compaq Armada 1500, 1700

Compaq Armada 4120/T, 4130T, 4131T

- High-speed access/throughput Available in 6, 12 and 18GB capacities
- Plug-and-play installation

18G8 CDW

3-year warranty

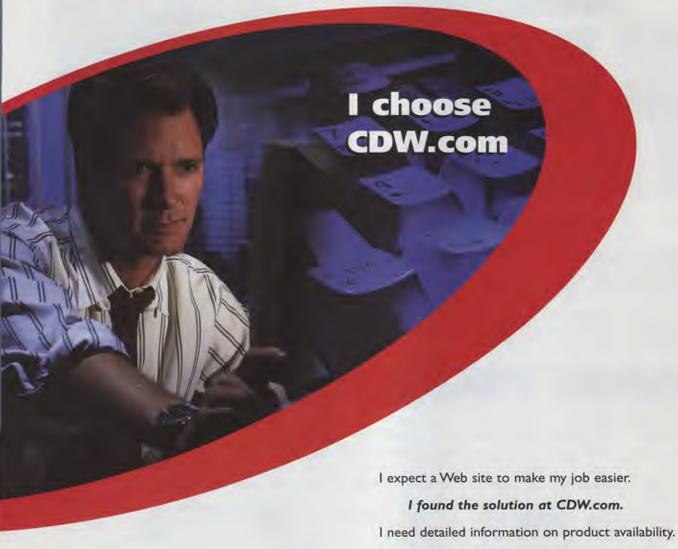
\$359.83 123664 \$418.60 194145 \$589.78 194146

\$279.71 123387 \$469.86 194151 \$629.45 194152

Compaq Armada 7300, 7400 Series	\$299.10	128177	\$438.04	194149	\$709,45	194150
Compaq Armada 7700, 7800 Series	\$299.54	123394	\$438.04	194155	\$589.78	194156
IBM ThinkPad 390, 390E, Model 2626	\$299,10	165881	\$438.04	194185	\$579.36	194186
IBM ThinkPad 365C, C , E, X Series	\$359.20	123408	\$479.56	194179	\$709.45	194180
IBM ThinkPad 600	\$279,33	148860	\$399,98	194187	\$559.63	194188
IBM ThinkPad 770	\$309.05	128205	\$438.04	194195	\$589.78	194196
NEC Versa 2000, 4000, 6000 Series	\$299,10	123418	\$469.70	194201	\$769.45	194202
Toshiba Portege 660CDY	\$375.61	123427	\$479.72	194238	\$769.45	194239
Toshiba Satellite Pro 400, 430 Series	\$279.33	123420	\$479.56	194215	\$629.45	194216
Toshiba Satellite Pro 440, 470, 480, 490 CDT	\$279.33	138485	\$399.98	194217	\$629,45	194218
Toshiba Tecra 500, 510	\$299.10	123424	\$438.04	194223	\$629.45	194224
Toshiba Tecra 8000	\$299.54	148485	\$466.49	194245	\$589.78	194246
Toshiba 700, 710, 720, 730, 740	\$279.33	123428	\$469.70	194240	\$629,45	194241

#### www.cdw.com • 800-726-4239

# I'm an IT professional.





#### Experience the difference

Get personal service, volume discounts and reliable solutions all in one stop with your CDW@work" extranet. Your CDW@work" extranet is a Web site set up exclusively for your organization. It is secure, private and can be customized to fit your needs.

#### CDW@work" features:

- Priority access to your account manager
- Volume discounts
- · Enhanced order status
- · Downloadable purchase history

Save your business time and money. Visit www.cdw.com/cdwatwork today!

I know CDW.com delivers stock status on over 50,000 items.

I need to research my current and past purchases, down to the last cable.

I rely on CDW.com's Order Status tool.

I want an effective way to communicate my company's product standards throughout my organization.

I use CDW@work"'s Company Solutions feature.



**Computing Solutions** Built for Business™ www.cdw.com 800-726-4239



# The Atlas Value Home Line Speedy Edutainment PCs at an affordable Price

- · AMD Athlon/Duron Ready Motherboard
- 200MHz FSB and UDMA-66 Support
- · 64MB SDRAM
- 15 GB UDMA-66 Hard Drive
- · 50X CD ROM · S3 Trio 2X DVD 3D 8MB
- · Motorola PCI 56K V.90 Voice Modern
- · PCI 3D Wavetable Stereo Sound
- Upgrade to Trident 4D 4-Channel for \$15
- · MLI 120W PMPO Speakers

\$1,139

· 300W Power Supply

- AMD Athlor/Duron Ready Motherboard
   200MHz FSB and UDMA-66 Support

- 128MB SDRAM
   30 GB UDMA-66 Hard Drive
- · 50X CD ROM
- Nvidia RIVA TNT2 Vanta DVD 3D 16MB
   Motorola PCI 56K V.90 Voice Modern
- · PCI 3D Wavetable Stereo Sound
- MLI 120W PMPO Speakers
   Upgrade to 450W Splors w/Subwoofer for \$19
- +300W Power Supply

#### The Atlas Gamer Pro Line

- Power Gaming PCs with Maximum Performance
- AMD Athlor/Duron Ready Motherboard
   200MHz FSB and UDMA-66 Support
  - 200MHz FSB and UDMA-66 Support
     128MB SDRAM
- 64MB SDRAM 20 GB UDMA-66 Hard Drive PS6000 50X CD ROM
- Nvidia RIVA TNT2 M64 DVD 3D 32MB Upgrade to Matrox G400 32MB for \$80
- Motorola PCI 56K V.90 Voice Modern
- PCI 3D Wavetable Stereo Sound
- + MLI 120W PMPO Speakers + 300W Power Supply
- · AMD Athlor/Duron Ready Motherboard
- 30 GB UDMA-66 Hard Drive
   Upgrade to 30 GB UDMA-66 7200 rpi
   50X CD ROM
- Nvidia GEFORCE 256 DVD 3D 32MB
   Motorola PCI 56K V.90 Voice Modern
- SoundBlaster 128V PCI 3D Wavetable
- MLI-460 450W Speakers w/Subwoofer
- · 300W Power Supply

AMD 600 M	Duron" Hz	Proces \$59	sor at
650 MHz AMD Albik	\$619	700 MHz	\$659
750 MHz	\$709	BOO MHz	\$769
850 MHz	\$849	900 MHz	\$969

at	AMD Duron		Processor at \$749	
59	SOO MHS	\$729	700 MHz	\$799 ADROG
69	750 MHz	\$849	800 MHz	\$899
69	850 MHz	\$989	900 MHz	\$1,099
369	050 MHz	\$1,269	1000 MHz	\$1,499

#### AMD Athlon Processor at \$899 850 MHz \$649 \$669 \$709 AMD Ath \$759 800 MHz \$819 750 MHz \$1,019 950 MHz \$1,189



#### 1000 MHz \$1,419 Choose a monitor that fit your needs (Price effective with system purchase only)



TFT LCD 1024 x 758 @ 70Hz Digital Flat Pa



TFT LCD 1024 x 768 & 70Hz Digital Flat Panel



19" Flat Square CRT .26 Dot Pitch 1600 x 1200 @ 76Hz



17" Flat Square Tube



15" Non Glare, Flat Screen CRT 28 Dot Pitch 1024 x 768 @ 65Hz

ST15B \$899

BT15+ \$799

AS6000

D98A \$295

D73P \$185

D50X \$125

CERTIFIED ATHLON

SYSTEM INTEGRATOR

erformance and reliability. All systems buil

by Atlas Micro follows a very stringen

guideline set forth by AMD to maintain

Atlas Micro, we do not compromise quality

onsistent line of high quality products. A

#### The Atlas Home Entertainment Line The Ultimate Multimedia PCs

- AMD Athlon Ready Motherboard
- 200MHz FSB and UDMA-86 Support
- 128MB SDRAM
- + 20 GB UDMA-66 Hard Drive \* 10X DVD-ROM
- Nvidia RIVA TNT2 M64 DVD 3D 32MB Upgrade to GEFORCE 256 32MB for \$89

AMD Athlon Processor at

\$899..

850 MHz \$1,039

950 MHz \$1,329

- Motorola PCI 56K V.90 Voice Modem
   PCI 3D Wavetable Stereo Sound
   MLI 120W PMPO Speakers
- + 300W Power Supply

750 MHz

800 MHz \$959

900 MHz \$1,159

1000 MHz \$1,559

- · AMD Athlon Ready Motherboard

800 MHz

750 MHz \$1,089

900 MHz \$1,349

- 200MHz FSB and UDMA-66 Support AS8000
   128MB SDRAM
   30 GB UDMA-66 7200 RPM Hard Drive + 10X DVD-ROM
- Nvidia GEFORCE 256 DVD 3D 32MB
   US Robotics PCI 56K V.90 Voice Modern
- SoundBlaster 128V PCI 3D Wavetable
   MLI-460 450W Speakers w/Subwooter
   Microsoft Intell Mouse w/Viheel
   300W Power Supply
   Upgrade to Microsoft Internet KB for \$20

- AMD Athlon" Processor at

\$1.149...

850 MHz \$1,519

- AMD Athlon Ready Motherboard 200MHz FSB and UDMA-66 Support
   128MB SDRAM
- · 40 GB UDMA-66 7200 RPM Hard Drive 10X DVD-ROM
- NVIDIA GEFORCE DOR 3D DVD AS9800
- 32MB w/TV Out de to GEFORCE 2 GTS 64MB w/TV Out for \$11
- · US Robotics PCI 56K V.90 Voice Modern
- Creative SoundBlaster Live Value
- Altec Lansing ACS-54 4-Ch Spkrs w/Subwi
   Multimedia Windows 98 Keyboard

- Microsoft Intelli Mouse w/Wheel
   Full Tower case w/300W Power Supply

#### AMD Athlon" Processor at \$1,999... GHZ





ith lower price.



1000 MHz \$1,749 GET A CANON 2110 USB INKJET PRINTER FOR ONLY \$69 WITH SYSTEM PURCHASE

## See what the experts said about our systems:



Mr. Bill O'Brien, January 2000

"Sweet deals are made of this: The AS9800. This 700MHz Athlon-based system is configured to blast away the competition with no compromises at a take-no-prisoners price"



Ms. Julie Polito, June 2000

Editors' "Atlas clearly focused on speed when it created the RS6000. This system's no-nonsense approach to Choice power left every other PC in this roundup in the dust....For the money, the Atlas RS6000 is impossible to beat. Kudos to Atlas for offering this breakthrough configuration.

- + Intel Mobile Pentium III / Celeron Ready
- 100MHz FSB and UDMA Support
   +64MB SDRAM
- +6 GB UDMA Hard Drive +6X DVD ROM
- +14" SXGA TFT LCD Display
- . 56K V 90 Fax Modern
- + 3D Wavetable Stereo Sound
- + Li-lon Long-life Battery + Carrying Case with A/C Adapter
- · Utility Bay for FDD/ZIP/2nd Battery Swappable

#### Intel Celeron® Processor at \$1,929 466 MHz

500 MHz \$1,989

\$2,039 650 MHz \$2,299

700 MHz \$2,439



#### The Atlas Performance Line

- Powerful Business PCs for your Office or Home
- Intel Coppermine Ready Motherboard
   133MHz FSB and UDMA 66 Support
- · 64MB SDRAM • 15 GB UDMA-66 Hard Drive
- . 50X CD ROM
- · S3 Trio 2X DVD 3D 8MB
- Upgrade to Nvidin RIVA TNT2 M64 for \$25 Motorola PCI 56K V.90 Voice Modern
- Aureal Vortex PCI 256V 3D Wavetable
- + MLI 120W PMPO Speakers
- + Intel Coppermine Ready Motherboard 133MHz FSB and UDMA 66 Support
- + 128MB SDRAM
- + 20 GB UDMA-66 Hard Drive CS9000 + 50X CD ROM
- + Nvidia RIVA TNT2 M64 DVD 3D 32MB
- Motorola PCI 56K V.90 Voice Modern. Aureal Vortex PCI 256V 3D Wavetable
- Upgrade to SoundBlaster Live Value for \$39
- · MLI-460 450W Speakers w/Subwooter

#### Intel Celeron® Processor at \$569...

SEE MFIX	\$579	600 MHz	\$599
Intel Penti	um III Coppe	rasine Processo	or n
867 MHz	\$679	700 MHz	\$719
733 MHz	\$729	750 MHz	\$759
800 MHz	\$789	850 MHz	\$959

# Pentium® III Coppermine at

Intel Celer 533 MHz	\$699	SGG MHz	\$709
600 MHz	\$729		53462
Intel Penti	um III Coppern	ine Processo	or .
700 MHz	\$839	733 MHz	\$849
750 MHz	\$879	800 MHz	\$919
850 MHz	\$1,089		-

3.5" 1.44MB Diskette Drive, Medium ATX Case, Windows 98 SE Pre-Installed w/CD & Manual, Lotus Smart Suite, Windows 98 Keyboard, Internet Mouse w/Scrolling Button, Deluxe Stand-up Microphone, 3-Year Parts and Labor Warranty, Life Time Toll-Free Technical Support.

#### The Atlas Value Multimedia Line

- · Intel Coppermine Ready Motherboard
- 133MHz FSB and UDMA 66 Support 64MB SDRAM
- +20 GB UDMA-66 Hard Drive MS8000 •56X CD ROM

\$629

\$659

\$779

\$1,019

567 MHz \$739

800 MHz

- Add Iomega 100MB ZIP for \$65 + Nvidia RIVA TNT2 Vanta DVD 3D 16MB
- Motorola PCI 56K V.90 Voice Modern

Pentium® III Coppermine at

\$849 <sub>•</sub>

700 MHz \$769

750 MHz \$819

- SoundBlaster 128V PCI 3D Wavetable MLI-460 450W Speakers w/Subwooter
- 133MHz FSB and UDMA 66 Support
   128MB SDRAM 30 GB UDMA-66 Hard Drive
  - Nvidia GEFORCE 256 DVD 3D 32MB

· Intel Coppermine Ready Motherboard

- ade to GEFORCE 256 DDR 32MB for \$89
- US Robotics PCI 56K V.90 Voice Modern
- Trident PCI 4D Wave 4-CH Surround
   MLI-747 4-CH Speakers w/Subwooler

Pentium® III Coppermine at

\$989

SEG MHz \$849

800 MHz \$1,059

\$979

#### The Atlas Professional Multimedia Line Cinematic Experience right in your own home and more

- Intel Coppermine Ready Motherboard
   133MHz FSB and UDMA 66 Support
   129MB SDRAM

- · 30 GB UDMA-66 Hard Drive · 10X DVD-ROM
- ga 250MB ZIP for \$125
- Nvidia GEFORCE 256 3D DVD 32MB
- Motorola PCI 56K V.90 Voice Modern
   SoundBlaster 128V PCI 3D Wavetable
- MLI-460 450W Speakers w/Subwoofer
   Multimedia Windows 98 Keyboard
- Microsoft Intelli Mouse w/Wheel

#### Intel Celeron Processor at \$1,099

- Jy	stet Color	on Processor		
9	33 MHz	\$909	506 MHz	\$919
0	sHM 00	\$939		
· N	stel Ponti	um III Coppern	sine Processo	or .
-	67 MHz	\$1,019	700 MHz	\$1,059
7	33 MHz	\$1,069	800 MHz	\$1,129
	60 MHz	\$1,309		-

- oard Intel Coppermine Ready Motherboard 133MHz FSB and UDMA 66 Support 128MB SDRAM GS8000 100 NDMA-66 7200 RPM Hard Drive GS9000 10X DVD-ROM

  - rittable 8X4X32 for \$2
  - Add CD-Rewrittable \$X4XX2 for \$239
    Nvidia GEFORCE 2 GTS DDR 3D DVD 32MB w/TV Out
    US Robotics PCI 56K V.90 Voice Modern
    SoundBlaster Live Value
    ML1-747 4-CTs Speakers w/Subwooter
    Upgrade to ACS-54 4-Ch for \$39
    Multimedia Windows 98 Keyboard
    Microsoft Intell Mouse w/Wheel
    300 Watt Power Supply

#### Pentium® III Coppermine at \$1,269 .... 667 MHz

#### \$1,159 555 MHz \$1,169 \$1,189 \$1,309 733 MHz \$1,319 \$1,349 aco MHz \$1,389 \$1,559

#### ASK FOR ONSTIE SERVICE & LEASING OPTION VISIT OUR WEBSITE TO CUSTOMIZE YOUR COMPUTER



1302 John Reed Court, City of Industry, CA 91745 Tel: 626-336-6899 • Fax: 626-336-6569 Business Hour: Mon-Fri 8:30AM-5:30PM Pacific Time

733 MHz

750 MHz

\$839

\$869 \$949

\$1,019

\$1,229



Toll Free Technical Support: 877-336-6898 TLAS MICRO LOGISTIC INC. 80000 Alias Micro Logistic Inc. All rights reserved. All brands and product names are trademarks or registered trademarks of their respective companies. All prices and configurations are subject to change without notes or obligation. Chignal shapping charges and opened software are non-introducio. All interns have to be accomplished with an PAM russible and must be in re-sullable condition. Systems pictures may include some solariment and/or accessment which are not standard features. Attas Micro

(800) 336-6898 • www.buy-atlas.com

NVIDIA.

NVIDIA.

WVIDIA.



#### Common Features

- > 102-key Keyboard with Numeric Keypad
- > 256KB On-Die L2 Cache
- > 2X AGP 8MB ATI Rage Pre 3D Video
- > Removable 6.0GB, 12.0GB or 18.0GB Hard Drive opt.
- > Removable 35' 1.44MB FDD exchangeable with opt. LS-120, lomega Zip Drive, or 2nd HDD
- > 3D Surround Sound with Hardware Wavetable
- > 2 Built-In Stereo Speakers and I Built-In Microphone
- > Built-In Touchpad Pointing Device > 2 Type II or 1 Type III PCMCIA Slots which support ZV-Port and Card Bus-
- > PCMCIA 56K Capable V90 Modem
- > 75.6w Smart Lithium-Ion Battery
- > Infra Red, Wireless Fast IR Interface
- > 1 IEEE 1394 Port & 1 Video-In Port.
- > 2 USB Ports & 1 TV-Out Port
- > Other Ports: 1S, 1P, Ext. Keyboard and Ext. CRT
- > Jacks: 1 Line-In, 1 Line-Dut and 1 Microphone
- > Microsoft<sup>e</sup> Windows<sup>e</sup> 98
- > Carrying Case and AC Adapter

15.1" XGA Active Matrix Display Mobile Pentium® III Processor 700MHz Featuring Intel® SpeedStep" Technology 128MB 100MHz SDRAM expandable to 256MB Removable 12,0GB Hard Drive! 6X' Max. DVD-ROM Drive

15.1" XGA Active Matrix Display Mabile Pentium® III Processor 750MHz Featuring Intel® SpeedStep" Technology 256MB 100MHz SDRAM expandable to 256MB Removable 18.0GB Hard Drive! 6X1 Max. DVD-ROM Drive



#### Common Features

- > 128KB On-Die L2 Cache (Intel® Celeron® Processor) > 256KB Dn-Die L2 Cache (Intel® Pentium® III Processor)
- > 2X AGP 8MB ATI Rage Pro 3D Video
- > Removable 6.0GB, 12.0GB, or 18.0GB Hard Drive opt.
- > 3.5' 1.44MB Floppy Disk Drive
- > 3D Surround Sound
- > 2 Built-In Stereo Speakers and 1 Built-In Microphone > Built-In Touchpad Pointing Device
- > 1 Type II PCMCIA Slot which supports ZV-Port and Card Bus
- > Built-in 10/100 Ethernet Lan Adapter
- > Smart Lithium-Ion Battery
- > Infra Red, Wiveless Fast IR Interface
- > 2 USB Ports
- > Other Ports: 1S, 1P, Ext. Keyboard and Ext. CRT
- > Jacks: 1 Line-In, 1 Line-Out and 1 Microphone
- > Microsoft" Windows" 98
- > Carrying Case and AC Adapter
- > Slim Notebook: 12.8'w x 10.15'd x 1.49'h

15.1" XGA Active Matrix Display Intel® Celeron™ Processor 500MHz 64MB 100MHz SDRAM expandable to 256MB Removable 6.0GB Hard Drive\* 24X' Max. CD-ROM Drive (6X' Max. DVD opt.) \$1895

15.1" XGA Active Matrix Display Mobile Pentium® III Processor 600MHz Featuring Intel® SpeedStep™ Technology 64MB 100MHz SDRAM expandable to 256MB Removable 12.0GB Hard Drive\* 6X' Max. DVD-ROM Drive



#### Common Features

- > 256KB On-Die L2 Cache > 2X AGP 8MB ATI Rage Pro 3D Video
- > Removable 6.0GB, 12.0GB, or 18.0GB Hard Drive opt.
- > Removable 3.5" 1.44MB FDD exchangeable with opt. LS-120 or 2nd HDD
- > 3D Surround Sound with Hardware Wavetable
- > 2 Built-In Stereo Speakers and 1 Built-In Microphone
- > Built-In Touchpad Pointing Device > 2 Type II or 1 Type III PCMCIA Stats which support ZV-Port and Card Bus
- > PCMCIA 56K Capable V90 Modem
- > Smart Lithium-Ion Battery
- > Infra Red, Wireless Fast IR Interface.
- > 1 IEEE 1394 Port
- > 2 USB Ports & 1 TV-Out Port
- > Other Ports: 1S, 1P, Ext. Keyboard and Ext. CRT
- > Jacks; 1 Line-In, 1 Line-Out and 1 Microphone
- > Microsoft\* Windows\* 98
- > Carrying Case and AC Adapter
- > Slim Notebook: 12.4'w x 10.1'd x 1.4'h

14.1" XGA Active Matrix Display Mobile Pentium® III Processor 700MHz Featuring Intel® SpeedStep "Technology 128MB 100MHz SDRAM expandable to 256MB Removable 12.0GB Hard Drive<sup>4</sup> 24X\* Max. CD-ROM Drive (6X\* Max. DVD opt.) \$2245

14.1" XGA Active Matrix Display Mobile Pentium® III Processor 750MHz Featuring Intel® SpeedStep® Technology 128MB 100MHz SDRAM expandable to 255MB Removable 12.0GB Hard Drive! 6X' Max, DVD-ROM Drive



#### Common Features

- > 128KB On-Die L2 Cache (Intel®Celeron®Processor)
- > 256KB On-Die L2 Cache (Intel® Pentium® III Processor)
- > 2X AGP 8MB ATI Rage Pro 3D Video
- Removable 6.0GB, 12.0GB, or 18.0GB Hard Drive opt. Removable 3.5" 1.44MB FDD exchangeable with
- opt. LS-120 or 2nd HDD
- > 3D Surround Sound with Hardware Wavetable
- 2 Built-In Stereo Speakers and 1 Built-In Microphone
- > Built-In Touchpad Pointing Device
- > 2 Type II or 1 Type III PCMCIA Stots which support
- ZV-Port and Card Bus
- > PCMCIA 58K Capable<sup>1</sup> V90 Modem
- Smart Lithium-Ion Battery
- > Infra Red, Wireless Fast IR Interface > 1 IEEE 1394 Port
- > 2 USB Ports & 1 TV-Out Port
- > Other Ports: 1S, 1P, Ext. Keyboard and Ext. CRT
- > Jacks: 1 Line-In, 1 Line-Out and 1 Microphone
- > Microsoft® Windows® 98
- > Carrying Case and AC Adapts
- > Slim Notebook: 12.4'w x 10.1"d x 1.4"h

14.1" XGA Active Matrix Bisplay Intel® Celeron® Processor 500MHz 64MB 100MHz SDRAM expandable to 256MB Removable 6.0GB Hard Drive\* 24X' Max. CO-ROM Drive (EX' Max. DVD opt.) \$1795

14.1" XGA Active Matrix Display Mobile Pentium® III Processor 600MHz

Featuring Intel® Speed Step" Technology 64MB 100MHz SDRAM expandable to 256MB Removable 12,068 Hard Drive\* 6X1 Max. DVD-ROM Drive







LS-120 Drive • Iomega Zip Drive • Car Adapter • Port Replicator • Numeric Keypad • PCMCIA Cards (V90 Data/Fax, Ethernet 10/100 16-Bit, MPEG-II) . Please call for options are liability, most options are not book 888-576-4742 Business leasing available on all ProStar systems. Lifetime from Philips Magnavox (Optional on every ProStar System) 37000 ProFrom Bovernment and Corporate pricing available. Call a ProStar representative for details. ISS Collect GSA Contract # GS-35F-5084+ ProStar Computers, No. 1128 Collect Court, City of Industry, CA 91748 • Tet (626)854-3428 • Fax (626)854-3438 • Hours: Mon-Fri, 7:30am-Ecopin, Sat, 9am-3pm (PST) • American Express, VISA and MesterCard Credit Cards Accepted - NO SURCHARGE

TX Minimum, 10X Minimum, Download apareta kenara to SXXapo, Ugload spacets are its s. Actual data speeds will vary d the property from the first finate sign and Perman are regulatined tradensives. SpeedStep and Centers may be senarate a fin televidable. 30-day ensery facet, paraetase beginn in helicide secue height or subspeed gate Permany change Net are populate.

# The Contest for a CHEAPER CHI

ith the race for one-gig computing over, AMD and Intel Corp, are now going nose-to-nose in a contest to power low-cost desktops. It's the battle of the Duron vs. the Celeron, and it's being played out in the value arena.

The Duron is derived from the Athlon architecture and ships at clock speeds of 600MHz, 650MHz, and 700MHz. It has 64K of on-die cache, a 200MHz front-side system bus, and enhanced 3DNow technology, according to Mark Bode, product marketing manager of AMD's computation products group.

At press time, the 600MHz Duron cost \$112 in quantities of 1,000, exactly the same price as a 600MHz Celeron-after a 19 percent Celeron price cut shortly before the Duron launch.



Intel, meanwhile, was to have unleashed in late June new Celeron chips running at 633MHz, 667MHz, and 700MHz. The company also had planned to launch a redesigned, highly integrated Celeron-based processor codenamed Timna late this year. At press time, the chip maker postponed Timna until early 2001, in order to redesign its memory

Timna was designed specifically for sub-\$600 PCs, says Patrick Gelsinger, Intel's vice president and chief technical officer. "It's almost a platform on a chip, with memory, graphics controller, and CPU all integrated," he says.

Plans call for the first Timna to run at 600MHz

and sell at a price that's a bit higher than the Celeron's. But its highly integrated design could enable PC makers to market systems that cost less.

Meanwhile, the high end of the PC market isn't dormant. AMD expects to rev up Athlons to 1.5GHz by January, Bode says. And by the time you read this, a new Athlon with 256K of on-die, full-speed L2 cache will

be available at speeds starting at 750MHz and ranging to 1GHz. AMD says the new Athlon, code-named Thunderbird, will run programs faster than today's Athlons, which have slower off-die cache.

For its part, Intel intends to

#### The lop 📘 PRODUCTS SOLD on computershopper.com in May 2000 (Ranking based on total initiated orders) 1 Kodak DC280 2 Epson Stylus Color 740 printer 3 Palm V PDA 4 HP LaserJet 1100 5 Palm IIIx PDA 6 Nikon Coolpix 990 7 Epson Perfection 1200U 8 Palm Vx 9 Nikon Coolpix 950

Source: Computer Shopper Executive Summary database, May 2000

ship this fall a 1.4GHz Willamette processor that will represent a total redesign of the Pentium III architecture, Gelsinger says. The processor will be coupled with a substantially faster 400MHz bus and an enhanced version of its SIMD

10 Palm Ille

But do consumers really need-or even want-faster processors? Not really, according to Michael Slater, founder of MicroDesign Resources. "This has nothing to do with meeting customer needs," he says. "It's all about maintaining an image of leadership and boosting stock prices."

multimedia instructions.

-Rik Fairlie

#### CAMPUS CARE PACKAGE

Sending a kid to college ain't cheap. No matter how much financial aid your budding scholar pulls in, you're facing four years of tuition and seemingly endless fees. To add insult to financial injury, you may have to spring for a new computer and all the necessary accessories.

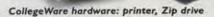
Now there's help on the technologybuying front from Gateway in the form of its CollegeWare program, a discounted singlesource package

of accessories, software, and training geared to the computing needs and budgets of the college-bound.

More than 400 colleges and universities, including James Madison, University of

Missouri, and San Diego State, have partnered with Gateway to offer CollegeWare to their students.

> Purchased with a Gateway

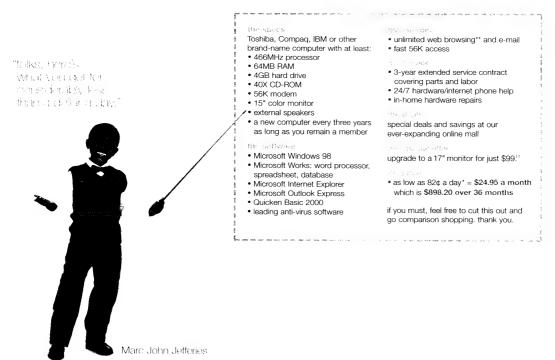


PC or notebook, the \$369 package includes an external 100MB Iomega Zip drive, a Canon BJC-2110 Color Bubble Jet printer, a surge protector (with the desktop package), a notebook bag (with the notebook deal), an MP3 software player, reference software, online software training courses, Web-based tutoring, and interactive study guides for a wide range of college courses.

Purchasing CollegeWare with a Gateway desktop or notebook will save you up to 30 percent off the retail value of each component. And now's a good time to start saving: Grad school could be right around the corner.

-Wendy Sheehan

# "what kind of computer and internet



"The price can be as low as \$24.95 a month. You are financing a membership which includes ownership of a PC, internet services for three years and an extended service contract covering the PC. Continental U.S. residents only. Monthly payment as low as \$24.95 (82 cents a day), based on \$762.09 purchase price and a 36-month term at 10.95% APR. Your APR may be higher. 3% transaction fee for advances (\$5min/\$30max). Financing through independent lender subject to credit approval. Shipping and sales tax extra. "In certain areas, telephone toll charges may apply for internet access. All use subject to PeoplePC's Internet Access Agreement and Acceptable Use Policy. †Call 1-877-475-0471 for the terms of our limited service contract on hardware only. †1Limited availability on upgrade. \*Upgrade offer expires 9.30/00. Prices and configurations subject to change without notice. All names mentioned herein are trademarks and/or registered trademarks of their respective companies. © 2000 PeoplePC

# access can you get for 82¢ a day?"



you get a brand-new computer, unlimited internet access," great online deals and 24/7 service when you become a peoplepc member. and it can cost you as little as 82¢ a day (\$24.95 a month). that's probably why we recently won a \*\*\* rating from this very magazine and why major worldwide corporations and thousands upon thousands of computer buyers across the US have already joined. so doesn't it make sense for you to join, too? please call or visit us today

www.peoplepc.com/go/shopper

peoplepc

1877475-0471

any music stores let you sample a \$15 audio CD before you buy. So when purchasing software, why should you have to fork out anywhere from five to 50 times as much without knowing exactly what you're getting? Swedish startup Runaware (www.runaware.com) doesn't think you should, and it has launched a free application service to ensure that you don't.

Runaware enables online software shoppers to run programs directly from the Web



browser, without downloading and installing demos or trial versions. You get to try out the full-featured product, not

crippleware. And the company says that if you sign up for a free membership, you can test the software as long as you wish. Note, however, that you won't be able to print or export your test work.

Although you can't purchase software directly from the site, that capability should be in place in the near future.

As we went to press, available programs included Macromedia Dreamweaver, CorelDraw 9. Teamsoft's TeamAgenda 3.1, and IMSI's TurboCAD 6.0. Two Linux products, Corel Word-Perfect Office 2000 and Applix's Applixware 5.0, also let you see what Linux is like. All applications run in a separate Java applet, and this 1MB applet is the only local download necessary.

Runaware charges software vendors a flat fee for hosting their products, as well as a variable amount for sales leads generated when Runaware users interested in a product allow their member profiles to be transmitted to the vendor, says founder Pelle Axeland. In the near future, Runaware intends to rent software as well, providing consumers the ability to use an application for a short-term project. -Neil Randall

# SHRINK RAP

nxious, addicted, or addled by phobias? Help is just a click away. Mentalhealth professionals are the latest to jump on the e-commerce bandwagon by hanging out virtual shingles on the Web.

Web-based counseling provides a convenient, comfortable alternative for many patients. It's especially well-suited to those who are too busy or too afraid to confront their issues in person, are disabled or too sick to travel, or live in rural areas where therapists are scarce.

"Online therapy really gives patients more choice in how they approach mental health and, in many cases, a comfort boost," says Dr. Kimberly Young, psychologist and founder of the Center for On-Line Addiction (www. netaddiction.com), which has been in operation since 1997. "It's also great for people who wouldn't normally seek

out professional help or who fear intimacy. And it removes location barriers, so people can find knowledgeable professionals regardless of where they are, 24 hours a day."

Through sites such as the CyberAnalysis Clinic (www.cyberanalysis.com) and the Center for On-Line Addiction, patients can choose the form of communication that suits their needs. They can share their problems by using Internet Relay Chat, e-mail, telephone, and, in some cases, even online videoconferencing.

Session fees range from \$65 per hour (for e-mail or phone therapy) to about \$250 for a block of four e-mail/phonebased sessions.

Most psychology sites also offer community benefits akin to group therapy, including discussion groups, monthly newsletters, and extensive educational resource listings.

But online therapy isn't suitable for everyone, according to the American Psychological Association. If patients are suicidal or require medication, an



in-person visit is essential. "I do a lot of referrals if I feel someone needs a face-to-face encounter," says Young.

She also advises that people get as much info as they can about a potential online therapist, including credentials, training, background information, and confidentiality guidelines. "And make sure they've examined the technical aspects of the site, as well," she says. "If it's not secure, it can be a problem for consumers."

-Stephanie Izarek

# GRAB THE BEST PRICE

bsessed with the lowest price? Then surf up to PriceGrabber.com and check out play the lowest price but jack up its speedy comparison-pricing and extra services, which combine to make it well worth a stop on your online shopping rounds.

As its name implies, PriceGrabber.com is all about cost. Its prices and shipping rates for 140-plus merchants are updated daily-and sometimes more frequently-to deliver the most upto-the-minute pricing, according to president Tamim Mourad. But its most innovative feature is the Bottom Line Price comparison, which tallies estimated tax and shipping costs based on your ZIP

code. This tool can be useful for weeding out online sellers that disthe shipping fees, resulting in an inflated total cost.

For instance, we searched for a Palm V PDA and found that the online merchant that displayed the lowest price charged an exorbitant amount for shipping. A quick click on the Bottom Line Price quickly showed the real low-price winner when shipping was factored in.

Another great tool is the Product Tracker, an e-mail alert service that will notify you immediately if the product you're after slips to the price you want to pay.

Otherwise, the site delivers its

share of bargains, although even a bargain may not be the lowest price. For instance, we searched for the DVD version of The Matrix. and, out of the 11 returns, only the \$14.99 from CD Universe was less than the \$17.90 (tax included) we paid at the local Wal-Mart. After adding in \$2.97 for shipping, the CD Universe price was higher

than the Wal-Mart price. Of course, for most people the 6 cents extra might be worth it to save the time and gas money spent on a trip to Wal-Mart.

Bottom line: Bookmark this shopping site. For a fast price comparison and easy purchase experience, it's hard to beat.

-John McCormick



## SEE MORE

You've never seen 3D like this before. ATI's RADEON ™ family of graphics accelerators delivers the world's fastest photo-realistic 3D graphics for your PC.

Powerful. ATI's RADEON™ graphics feature the fastest 32-bit 3D graphics, the most robust T&L acceleration, a critical element of the CHARISMA ENGINE™, combined with PIXEL TAPESTRY™ for features like 3D texture support and all 3 bump mapping techniques — to create the most immersive 3D experience possible.

See how ATI's RADEON™ technology is the new face of graphics.



Visit ati.com

Copyright 2000 ATI Technologies Inc. All Rights Reserved. ATI, RADEON, CHARISMA ENGINE and PIXEL TAPESTRY are trademarks and or registered trademarks of ATI Technologies Inc.



## Buy 'Til You Fly

Can't get enough frequentflyer miles? A new travelreward program called WebMiles lets you earn airline tickets faster, whether you shop online or off.

"People are addicted to miles," says Bill Meade, president of WebMiles. If you've got the habit, you can satisfy your craving by shopping at the program's 58 partners, including the likes of Buy.com, Dell, DisneyStore.com, The Sharper Image, and Outpost.com.

Merchants credit one point to your WebMiles account for



Take off with WebMiles.

every dollar spent at their sites or in their brick-and-mortar stores. A good selection of online sellers tempts you further with two-for-one mile specials.

You can further fatten your

frequent-flyer account with a cobranded MasterCard that awards a mile for each dollar spent. That means you can rack up double miles by charging your purchase with the card when shopping at participating merchants.

Perhaps the best news is that travel awards can be used on any airline and are not subject to traditional airline bonusprogram restrictions. At 8,000 miles, you can subtract \$100 from any airfare; charge up 15,000 miles and take off \$200 from any airfare. When you get to 25,000 miles, call WebMiles partner Maritz Travel to book a free flight. The only limitation is 14-day advance booking.

-Rik Fairlie

#### KA-CHING!

Consumers shelled out \$33.1 billion in online buying sprees in 1999, a jump of 120 percent over the year before.

Top products were travel, computer hardware and

software,



stocks and mutual funds, and collectibles. This year revenues are expected to skyrocket to \$61 billion.

Source: Boston Consulting Company, April 2001

## It's Face Time For IM

If you're one of the 69 million users of AOL's Instant
Messenger service, your missives might soon have a new
face: yours. Thanks to White
Pine Software's CU-SeeMe
Web technology, users can
now embed or view live video.



Instant video made easy.

audio, and text chat in a standard PC Web browser.

The ability to enhance instant messaging with video is sure to increase the usefulness—and fun—of instant messaging. It's also likely to make e-commerce a much more rewarding experience.

Companies such as Novell and Ericsson have licensed White Pine's CU-SeeMe to video-enable their instantmessaging services.

White Pine has also reworked its CU-SeeMe Web client as a free browser plug-in that enables video, text, and audio chat from within your browser. The company stresses that it's not an alternative to videoconferencing, but rather a new way for users to interact with specific e-commerce sites.

You can download the com-

ponents from the recently launched site CU-SeeMe World (www.cuseemeworld.com), which is designed to function as a visually based community. Those without a digital camera can use text or audio chat. A demo of the service is available at the Web site.

-Stephanie Izarek

#### DA DIVA SPEAKS

Do you feel like everyone in the world is wired, except you? "You are not alone," says Stacy Elliott, Microsoft Corp.'s official consumer technology advocate, who is also known as the Digital Diva.

Q: Why do people need help understanding technology?
A: Through our research with women over 30, we found that although 60 percent of homes have

although 60 percent of homes have PCs, not everyone in the house is using them. Some people feel overwhelmed by what they need to learn and the rapid pace of technology.

Q: What is the biggest technological challenge consumers face?

A: The language. The flood of acronyms, such as ISP, USB, and URL, can hinder their efforts. Too often, information is written at a level they don't understand. People at focus groups often say it's like a foreign language.

Q: What has your experience working with seniors been like?

A: This is a refreshing group! Very often, the basics that we take for granted get in their way. Using a keyboard or mouse, for example. Another thing we hear from seniors is that they

are afraid they will break the computer. They get really scared when they see error messages. But once they get started, they have a real appetite for the Internet. Using e-mail to keep in touch with family and having access to information such as health care is really important to them.



Stacy Elliott

Q: What about the digital divide? A: Computer illiteracy and education

have been the biggest challenges. But great work has been done through public libraries and schools, and computer prices have really come down. I think we're making tremendous strides toward closing the gap.

Look for Elliott's latest advice, as well as discussion groups and how-to videos, at www.microsoft.com/digitaldiva.

—S.I.



\$1799

50K V90 minutes!

1-year parts and labbi warranty!

\$50/mo QuickAccess Code: 37X7X3-21116

1708 removable turo driver for backup.

itsped on file! PRD/100+ integrated technology.

2 IO/100 Base-TX N/Ca-OSL ISIOV

desert on this PRO/100 is integrated technologic

30X Mis CD-ROM dravit

Servir management tools

3 year limited warranty\*

\$1999

\$56/mo QuickAccess Code: 37X7X3-17X57 Printed storage capacity up in 1060 2GB Printed Review 107100 NIC (WOL)

based on the PRO/100+ integrated technology; 7 Stats: 2 (14-bit POL 4-32-bit POL 1-6A

\$2450

2459

QuickAccess Code: 37X7X3-16552

Get an easy-to-use server that fits your business. Whether you want to get your employees on the Internet, do file and printer sharing, or accommodate rapid network growth, Compaq has a server that will grow with your business. Getting networked for the first time? Then meet the NeoServer 150. You give it one phone line and it will give every one of your employees the Internet access, e-mail, and file-sharing they need to make your business grow. Want all that with more memory, more speed, and even dual processor capability? Then check out the specs on our ProLlant ML330 or ProLlant ML350. And then check out the prices. If you're ready to learn more, give us a call. We're ready to make your server decision a success story.



Call now to buy direct, or for your nearest reseller 1-877-628-9955 www.directplus.compaq.com



At once, there we Consequent Research residency of the Service Service and states of the service of the service Servic

Sager's #8500 Desktop

Replacement Series, you carry the capability of a full desktop wherever you go. This one comes fully loaded, with the powerful Intel® Pentium® III processor, DVD-ROM or CD-ROM Drive, and IEEE-1394, TV-Out and Video-In Ports, plus an optional LS-120 or lomega® Zip Drive. The 101-key Keyboard and generous 15.1" XGA Active Matrix Display make using this notebook pure pleasure. And there's plenty of battery power to keep you in business. Want faster graphics? The "2850 Speed & Agility Series handles demanding graphics applications like a dream, thanks to its fast 100MHz SDRAM, 2X AGP Chipset and 3D Graphics Accelerator. Plus, it comes with a crisp 15.1" XGA Active Matrix Display and a built-in DVD-ROM or CD-ROM Drive. All this at 1.5" thin and under 7.15 pounds.

#### Special Pricing

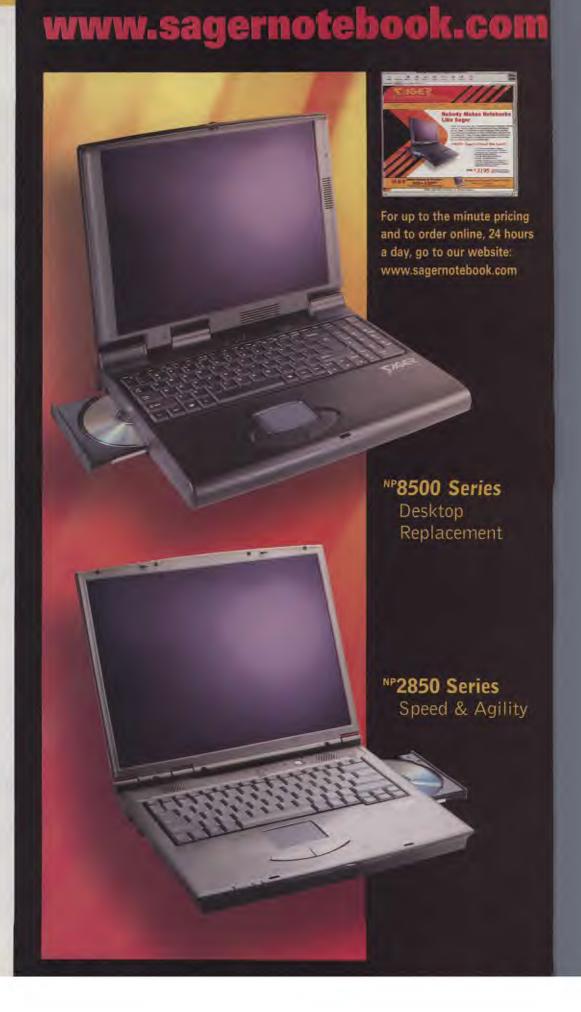
Government, corporate and other special rates are available, Please call for details. GSA Contract # GS-35F-4168G

#### **Business Leasing Available**

Program Administered by: Freedom Capital "Specializing in Equipment Leasing"

Optional 3 Year Extended Warranty from General Electric Available.





## You Name it...We've Got the Right Portable for You.

#### NP85505

- > 15.1" XGA Active Matrix Display
- Mobile Pentium" III Processor 750MHz Featuring Intel® SpeedStep™ Technology
- 256MB 100MHz SDRAM
- 18.0GB Ultra DMA Hard Drive
- 6X Max. DVD-ROM Drivet
- Modular Iomega" Zip Drive and 3.5" FDD
- 15-cell 75.6w Smart Lithium-Ion Battery
- 102-key Keyboard with Numeric Keypad
- IEEE-1394 Port
- 256KB On-die L2 Cache
- 2X AGP 8MB ATI Rage Pro 3D Video
- 3D Surround Sound with Hardware Wavetable
- > Built-In Touchpad Pointing Device
- 2 Type II or 1 Type III PCMCIA Slots
- > Infra Red. Wireless Fast IR Interface
- > 1 TV-Out Port & 1 Video-In Port
- > Other Ports: 2 USB, 15, 1P, Ext. Keyboard and Ext. CRT
- Microsoft\* Windows\* 98
- > Deluxe Carrying Case
- > Weight: 9.5 lts with Battery
- > 14.0 W x 11.0 d x 2.2 h
- > Sager's Umbrella Protection Policy

\$2995

#### NP85501

- > 15.1" XGA Active Matrix Display
- Mobile Pentium" III Processor 700MHz Featuring Intel® SpeedStep™ Technology
- 128MB 100MHz SDRAM
- 18.0GB Ultra DMA Hard Drive
- 6X Max. DVD-ROM Drivet
- Modular LS-120 SuperDisk'" Drive
- 15-cell 75.6w Smart Lithium-Ion Battery
- 102-key Keyboard with Numeric Keypad
  - IEEE-1394 Port
  - 256KB On-die LZ Cache
  - > ZX AGP 8MB ATI Rage Pro 3D Video
  - > 3D Surround Sound with Hardware Wavetable
  - > Built-In Touchpad Pointing Device
  - 2 Type II or 1 Type III PCMCIA Slots
  - > Infra Red, Wireless Fast IR Interface
  - > 1 TV-Out Port & 1 Video-In Port
- > Other Ports: 2 USB, 1S, 1P, Ext. Keyboard and Ext. CRT
- Microsoft Windows 98
- Deluxe Carrying Case
   Weight: 9.5 lbs with Battery
- > 14 0"w x 31 0"d x 2 2"h
- > Sager's Umbrella Protection Policy

\$2695

#### NP8550e

- > 15.1" XGA Active Matrix Display
- Mobile Pentium" III Processor 650MHz Featuring Intel® SpeedStep™ Technology
- 128MB 100MHz SDRAM 12.0GB Ultra DMA Hard Drive
- 6X Max. DVD-ROM Drivet
- 15-cell 75.6w Smart Lithium-Ion Battery
- 102-key Keyboard with Numeric Keypad
- IEEE-1394 Port
- 256KB On-die LZ Cache
- 2X AGP 8MB ATI Rage Pro 3D Video
- Modular 3.5" FDD exchangeable with opt. LS-120, Tomega: Zip Drive or 2nd HDD
- > 3D Surround Sound with Hardware Wavetable
- Built-In Touchpad Pointing Device
- > 2 Type II or 1 Type III PCMCIA Slots
- Infra Red, Wireless Fast IR Interface
- 1 TV-Out Port & 1 Video In Port
- Other Ports: 2 USB, 15, 1P, Ext. Keyboard and Ext CRT
- Microsoft Windows 98
- > Deluxe Carrying Case
- > Weight: 9.5 lbs with Battery
- > 14.0'w x 11.0'd x 2.2'h
- > Sager's Umbrella Protection Policy

\$2445

#### NP8550 c

- > 15.1° XGA Active Matrix Display
- Intel® Pentium® III Processor 600MHz
- 64MB 100MHz 5DRAM
- 12.0GB Ultra DMA Hard Drive
- 6X Max. DVD-ROM Drivet
- 15-cell 75.6w Smart Lithium-Ion Battery
- > 102-key Keyboard with Numeric Keypad
- > IEEE-1394 Port
- 256KB On-die L2 Cache
- 2X AGP 8MB ATI Rage Pro 3D Video
- Modular 3.5" FDD exchangeable with opt. LS-120, Iomegal Zip Drive or 2nd HDD
- > 30 Surround Sound with Hardware Wavetable
- > Built-In Touchpad Pointing Device
- > 2 Type II or 1 Type III PCMCIA Slots > Infra Red, Wireless Fast IR Interface
- > 1 TV-Out Port & 1 Video-In Port
- > Other Ports: 2 USB, 1S, 1P, Ext. Keyboard and Ext. CRT
- > Microsoft Windows 98
- > Deluxe Carrying Case
- > Weight: 9.5 lbs with Battery
- > 14.0 W x 11.0 d x 2.2 h
- > Sager's Umbrella Protection Policy

\$2295

#### NP28505

- > 15.1" XGA Active Matrix Display
- Mobile Pentium\* III Processor 750MHz Featuring Intel® SpeedStep " Technology
- > 128MB SDRAM
- 12.0GB Ultra DMA Hard Drive
- 6X Max. DVD-ROM Drivet
- Integrated 10/100 Ethernet Thin (1.49") and Lightweight (7.1 lbs.)
- 256KB On die L2 Carlte 2X AGP 8MB ATI Rage Pro 3D Video
- > 3.5' 1.44MB Floppy Disk Drive
- > 3D Surround Sound
- > Smart Lithium-Ion Battery Bullt-In Touchpad Pointing Device
- 1 Type II PCMCIA Sint.
- Infra Red, Wireless Fast IR Interface 2 USB Ports
- Other Ports; 1S, 1P, Ext. Keyboard and Ext. CRT A4 Size Windows 95 Keyboard
- Microsoft Windows 98
- Deluxe Carrying Case
- 12,8'W x 10.51'd x 1,49"h
- > Sager's Umbrella Protection Policy

\$2645

#### NP2850e

- > 15.1" XGA Active Matrix Display
- Mobile Pentium' III Processor 700MHz Featuring Intel® SpeedStep™ Technology
- 64MB 100MHz SDRAM
- 12.0GB Ultra DMA Hard Drive
- 6X Max. DVD-ROM Drive?
- Integrated 10/100 Ethernet
- > Thin (1.49") and Lightweight (7.1 lbs.)
- > 256KB On-die L2 Cache
- > 2X AGP 8MB AT1 Rage Pro 3D Video
- > 3.5" 1.44MB Floppy Disk Drive
- > 3D Surround Sound
- > Smart Lithium-Ion Battery
- > Built-In Touchpad Pointing Device
- > 1 Type II PCMCIA Slot > Infra Red, Wireless Fast IR Interface
- > 2 USB Ports
- > Other Ports: 15, 1P, Ext. Keyboard and Ext. CRT > A4 Size Windows\* 95 Keyboard
- > Microsoft" Windows 98
- > Deluxe Carrying Case
- > 12.8"w x 10.51"d x 1.49"h > Sager's Limbrella Protection Policy

#### MP28501

- > 15.1" XGA Active Matrix Display Mobile Pentium" III Processor 600MHz
- Featuring Intel® SpeedStep™ Technology
- 64MB 100MHz SDRAM
- 12.0GB Ultra DMA Hard Drive
- 24X Max. CD-ROM Drive\*
- Integrated 10/100 Ethernet
- > Thin (1.49") and Lightweight (7.1 lbs.) 256KB On-die L2 Cache
- 2X AGP 8MB ATT Rage Pro 3D Video
- 3,5 1,44MB Floppy Disk Drive
- > 3D Surround Sound
- > Smart Lithium-Ion Battery
- > Built-In Touchpad Pointing Device
- > 1 Type II PCMCIA Slot
- > Infra Red, Wireless Fast IR Interface
- > 2 USB Ports > Other Ports: 15, 1P, Ext. Keyboard and Ext. CRT

> Sager's Umbrella Protection Policy

- > A4 Size Windows\* 95 Keybpard > Microsoft Windows 98
- > Deluxe Carrying Case > 12.8'W x 10.51'd x 1.49'h
  - \$2095

## NP2850 C

- > 15.1" XGA Active Matrix Display
- > Intel" Celeron" Processor 500MHz
- > 64MB 100MHz SDRAM 6.0GB Ultra DMA Hard Drive
- 24X Max. CD-ROM Drive\*
- Integrated 10/100 Ethernet
- Thin (1.49") and Lightweight (7.1 lbs.)
- 128KB On-die L2 Cache
- 2X AGP 8MB ATI Rage Pro 3D Video > 3.5° 1.44MB Floppy Disk Drive
- 3D Surround Sound > Smart Lithium-Ion Battery
- > Built-In Touchpad Pointing Device > 1 Type | PCMCIA Slot
- > Infra Red, Wireless Fast IR Interface > 2 USB Ports
- > Other Ports: 1S, 1P, Ext. Keyboard and Ext. CRT > A4 Size Windows 95 Keyboard
- > Microsoft Windows 98 Deluxe Carrying Case 12.8'w x 10.51'd x 1.49'h

> Sager's Umbrella Protection Policy

\$1895

OPTIONS

L5-120 Drive

Part Replicator

- > Car Adapter > Tomega\* Zip Drive > Numeric Keypad > 56K V.90 Madern
- - > PCMCIA 10/100M Ethernet Card > PEMCIA 10/100M ÷ 56K Lim Modern

> USB Video-Cornera

(800) 669-1624 www.sagernotebook.com



# Value, Power, Lightweight, Flexible... We've got it all.

#### NP3350s

- > 14.1" XGA Active Matrix Display
- Mobile Pentium® III Processor 750MHz Featuring Intel® SpeedStep™ Technology
- 128MB 100MHz SDRAM
- 12.0GB Ultra DMA Hard Drive
- 6X Max. DVD-ROM Drivet
- Modular LS-120 SuperDisk™ Drive exchangeable with optional 2nd HDD
- > IEEE-1394 Port
- > 256KB On-die L2 Cache
- 2X AGP 8MB ATI Rage Pro 3D Video
- > 3D Surround Sound
- > Smart Lithium-Ion Battery
- > Built-In Touchpad Pointing Device
- 2 Type II or 1 Type III PCMCIA Slots
- > Infra Red, Wireless Fast IR Interface
- 1 TV-Out Port
- > 2 USB Ports
- > Other Ports: 1S, 1P, Ext. Keyboard and Ext. CRT
- > A4 Size Windows\* 95 Keyboard
- > Microsoft" Windows" 98
- > Deluxe Carrying Case
- > Weight: 6.8 lbs with Battery
- > 12.4'w x 10.1'd x 1.58'h
- > Sager's Umbrella Protection Policy

\$2595

#### NP33501

- > 14.1" XGA Active Matrix Display
- > Mobile Pentium® III Processor 700MHz Featuring Intel® SpeedStep® Technology
- 128MB 100MHz SDRAM
- > 12.0GB Ultra DMA Hard Drive
- 6X Max. DVD-ROM Drivet
- Modular 3.5" FDD exchangeable with LS-120 Drive or 2nd HDD
- > IEEE-1394 Port
- 256KB On-dle L2 Cache
- 2X AGP 8MB ATI Rage Pro 3D Video
- > 3D Surround Sound
- Smart Lithium-Ion Battery
- > Built-In Touchpad Pointing Device 2 Type II or 1 Type III PCMCIA Slots
- > Infra Red, Wireless Fast IR Interface
- > 1 TV-Out Port
- > 2 USB Ports
- > Other Ports: 1S, 1P, Ext. Keyboard and Ext. CRT
- > A4 Size Windows® 95 Keyboard
- > Microsoft® Windows® 98
- > Deluxe Carrying Case
- > Weight: 6.8 lbs with Battery
- 12.4'w x 10.1'd x 1.58'h
- > Sager's Umbrella Protection Policy

\$2295

#### NP3350e

- > 14.1" XGA Active Matrix Display
- Mobile Pentium\* III Processor 600MHz Featuring Intel® SpeedStep™ Technology
- > 64MB 100MHz SDRAM
- 12.0GB Ultra DMA Hard Drive
- 6X Max. DVD-ROM Drivet
- Modular 3.5" FDD exchangeable with LS-120 Drive or 2nd HDD
- IEEE-1394 Port
- 256KB On-die L2 Cache
- 2X AGP BMB ATI Rage Pro 3D Video
- > 3D Surround Sound
- Smart Lithium-Ion Battery
- Built-In Touchpad Pointing Device
- 2 Type II or 1 Type III PCMCIA Slots
- Infra Red, Wireless Fast IR Interface
- > 1 TV-Out Port
- > 2 USB Ports
- > Other Ports: 15, 1P, Ext. Keyboard and Ext. CRT
- A4 Size Windows® 95 Keyboard
- > Microsoft\* Windows\* 98
- Deluxe Carrying Case
- Weight: 6.8 lbs with Battery
- 12.4'w x 10.1'd x 1.58'h
- > Sager's Umbrella Protection Policy

\$1995

#### NP3350C

- > 14.1" XGA Active Matrix Display
- Mobile Intel® Celeron® Processor 500MHz
- 64MB 100MHz SDRAM
- 6.0GB Ultra DMA Hard Drive
- 24X Max. CD-ROM Drive\*
- Modular 3.5° FDD exchangeable with LS-120 Drive or 2nd HDD
- > IEEE-1394 Port
- > 128KB On-die L2 Cache
- > 2X AGP 8MB ATI Rage Pro 3D Video
- > 3D Surround Sound
- > Smart Lithium-Ion Battery
- > Built-In Touchpad Pointing Device > 2 Type II or 1 Type III PCMCIA Slots
- > Infra Red, Wireless Fast IR Interface
- > 1 TV-Out Port
- > 2 USB Ports
- > Other Ports: 1S, 1P, Ext. Keyboard and Ext. CRT
- > A4 Size Windows\* 95 Keyboard
- > Microsoft\* Windows\* 98
- > Deluxe Carrying Case
- > Weight: 6.8 lbs with Battery
- > 12.4'w x 10.1'd x 1.58'h
- > Sager's Umbrella Protection Policy

\$1745

#### NP3220s

- > 13.3° XGA Active Matrix Display
- > Intel® Pentium® III Processor 600MHz
- > 64MB SDRAM
- 12.0GB Ultra DMA Hard Drive > Hot-Swappable Bay for 6X Max. DVD-ROM Drivet, 3.5" FDD (both included) or opt.
- LS-120 Drive
- Internal 56K V.90 Fax/Modem Thin (1.26") and Lightweight (5.6 lbs.)
- > 2-Tone Beauty
- > 256KB On-die L2 Cache
- 2X AGP 8MB ATI Rage Pro 3D Video
- > 3D Surround Sound
- > Smart Lithlum-Ion Battery
- > Built-In Touchpad Pointing Device
- > 1 Type II PCMCIA Slot
- > Infra Red, Wireless Fast IR Interface
- > Ports: USB, 1S, 1P, Ext. Keyboard and Ext. CRT
- > A4 Size Windows\* 95 Keyboard
- > Microsoft\* Windows\* 98
- > Deluxe Carrying Case
- > Weight: 5.6 lbs with Battery
- 12.05'w x 9.13'd x 1.26'h > Sager's Umbrella Protection Policy

\$1945

#### NP3220

- > 12.1" SVGA Active Matrix Display Intel® Pentium® III Processor 600MHz
- 64MB SDRAM
- 6.0GB Ultra DMA Hard Drive Hot-Swappable Bay for 6X Max. DVD-ROM Drivet, 3.5" FDD (both included) or opt. LS-120 Drive
- Internal 56K V.90 Fax/Modem<sup>3</sup>
- Thin (1.26") and Lightweight (5.6 lbs.)
- 2-Tone Beauty
- 256KB On-die L2 Cache
- 2X AGP 8MB ATI Rage Pro 3D Video
- 3D Surround Sound
- Smart Lithium-Ion Battery
- Built-In Touchpad Pointing Device
- 1 Type II PCMCIA Slot Infra Red, Wireless Fast IR Interface
- Ports: USB, 1S, 1P, Ext. Keyboard and Ext. CRT
- > A4 Size Windows\* 95 Keyboard
- Microsoft® Windows® 98
- Deluxe Carrying Case > Weight: 5.6 lbs with Battery
- 12.05'W x 9.13'd x 1.26'h > Sager's Umbrella Protection Policy

\$1795

#### NP3220e

- > 13.3" XGA Active Matrix Display
- Intel® Celeron™ Processor 500MHz
- 64MB SDRAM
- 6.0GB Ultra DMA Hard Drive Hot-Swappable Bay for 24X Max. CD-ROM\*, 3.5' FDD (both included) or opt. LS-120 Drive
- Internal 56K V.90 Fax/Modem
- Thin (1.26") and Lightweight (5.6 lbs.)
- 2-Tone Beauty
- 128KB On-die L2 Cache
- 2X AGP 8MB ATI Rage Pro 3D Video
- 3D Surround Sound
- Smart Lithium-Ion Battery
- Built-In Touchpad Pointing Device
- 1 Type II PCMCIA Slot
- Infra Red, Wireless Fast IR Interface > Ports: USB, 1S, 1P, Ext. Keyboard and Ext. CRT
- > A4 Size Windows\* 95 Keyboard
- Microsoft" Windows" 98
- Deluxe Carrying Case > Weight: 5.6 lbs with Battery > 12.05'w x 9.13'd x 1.26'h

> Sager's Umbrella Protection Policy \$1645

### NP3220c

- > 12.1" SVGA Active Matrix Display Intel® Celeron™ Processor 500MHz
- 32MB SDRAM 6.0GB Ultra DMA Hard Drive Hot-Swappable Bay for 24X Max. CD-ROM\*, 3.5" FDD (both included)
- or opt. LS-120 Drive
- Internal 56K V.90 Fax/Modem Thin (1.26") and Lightweight (5.6 lbs.)
  - 2-Tone Beauty
- 128KB On-die L2 Cache
- 2X AGP 8MB ATJ Rage Pro 3D Video 3D Surround Sound
- > Smart Lithlum-Ion Battery
- > Built-In Touchpad Pointing Device > 1 Type II PCMCIA Slot
- > Infra Red, Wireless Fast IR Interface
- > Ports: USB, 1S, 1P, Ext. Keyboard and Ext. CRT
- > A4 Size Windows® 95 Keyboard Microsoft\* Windows\* 98
- > Deluxe Carrying Case > Weight: 5.6 lbs with Battery
- > 12.05'w x 9.13'd x 1.26'h Sager's Umbrella Protection Policy

OPTIONS

> LS-120 Drive > Port Replicator (NP3350)

(NP3350)

2nd Hard Drive

> 56K V.90 Moderni

> USB Video-Camera > PCMCIA 10/100M

- > PEMELA 10/100M+ 56K Lan
- Modern > Numeric Keypad

(800) 669-1624 www.sagernotebook.com

3350 Powerful & Precise Series is a power-packed notebook. Featuring an all-in-one design, including advanced features such as the top of the line Intel® Pentium® III processors, IEEE-1394 Port and TV-Out Port, and a 14.1" XGA Display. All this, and more, is loaded into a beautiful case measuring just 1.58" thin. Sleek and trim at only 1.26" thin and 5.6 pounds light - Sager's ™3220 Slim & Fast Series is bursting with functionality. Available in two display sizes, 13.3" and 12.1," this Intel® Pentium® III processor powered notebook comes with the newest hot-swappable bay - allowing a floppy drive, LS-120, DVD-ROM or CD-ROM to be exchanged while the system is running. With other slim notebooks on the market today, these add-ons must be external.

#### Special Pricing

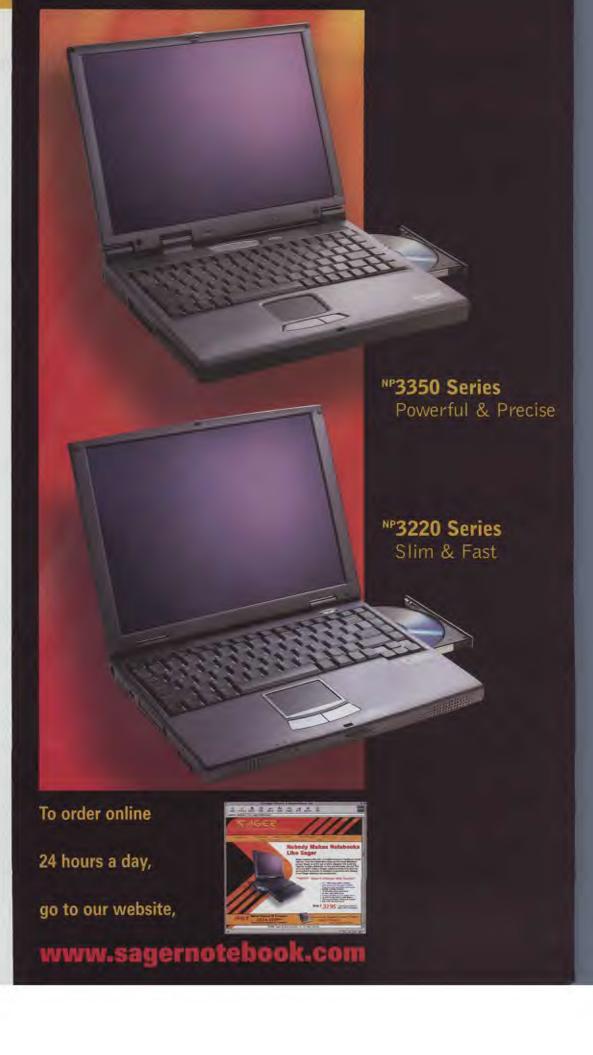
Government, corporate and other special rates are available. Please call for details. GSA Contract # GS-35F-4168G

#### **Business Leasing Available**

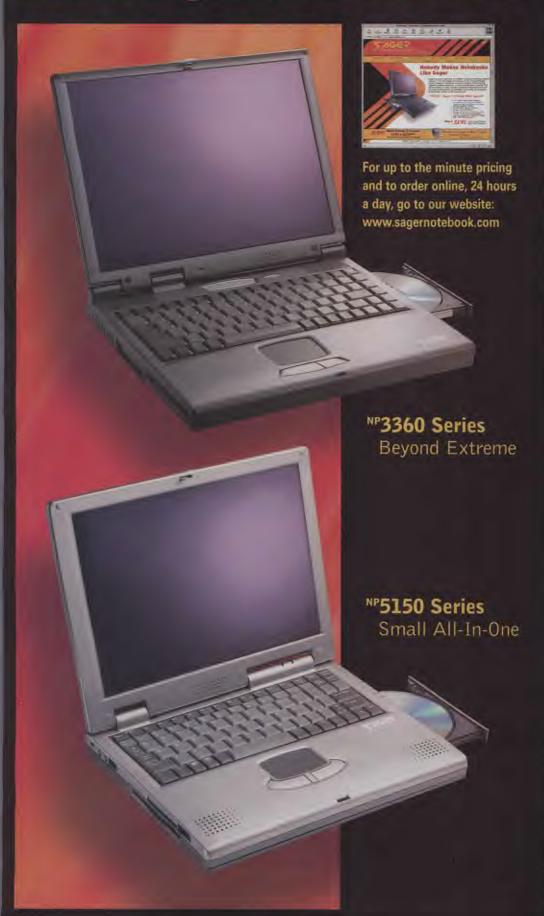
Program Administered by: Freedom Capital "Specializing in Equipment Leasing"

Optional 3 Year Extended Warranty from General Electric Available.





## www.sagernotebook.com



r's ™3360 Beyond Extreme Series is a multimedia masterpiece. A sure winner of the Academy Award for best notebook featuring 6X Max. DVD-ROM and Software MPG II. For the category of best supporting Intel® processor, the Intel® Pentium® III processor is the undisputed winner. Last but not least, give a standing ovation to the wide range of display sizes available 14.1", 13.3" XGA or plug into the TV-out port of the thin attractive case 1.58" and really let the show begin. Sager's incredible "5150 Small All-In-One Series notebooks offer the performance of an Intel® Pentium® III processor and multiple features all within one of the industry's smallest footprints. And, to top it all off, you can have this silver tone beauty for an amazingly small price.

#### Special Pricing

Government, corporate and other special rates are available. Please call for details. GSA Contract # GS-35F-4168G

#### **Business Leasing Available**

Program Administered by: Freedom Capital "Specializing in Equipment Leasing"

Optional 3 Year Extended Warranty from General Electric Available.



D2000 by Midern Connected Inc. All Highly received, Intel, the Intel Incide Loop and Printies are a replacement trademarks and Celebras and Intel Specificage is a trademark of Intel Consortation, All other company accide product primes restricted primer and information, another register of product mans in other respective companies. The DVD Loophay and representables of their respective companies. The DVD Loophay and copie CDD Diplay someons are informed directly Company and copie CDD Diplay someons are informed directly and artifacts purposes. Pricial and open Diplay common are informed directly and proposes orbitates and dispolar changes are numerical related. Set Duly membry back guarantee does not include Installor of selegion good funding change.

\*\* Like Mills. T. - 2X. Min. \*\* Maximum Transmissions speed of up to SVMs where Spermoschips and Schige When splanning lists in Actual period may view depending on time constitions and current PCC restrictions.

## You Choose... Sager - The **Right Decision for Portables**

#### NP3360s

- > 14.1" XGA Active Matrix Display
- Intel® Pentium® III Processor 750MHz
- 128MB 100MHz SDRAM
- 12.0GB Ultra DMA Hard Drive
- 6X Max. DVD-ROM Drivet
- Modular LS-120 SuperDisk\* Drive exchangeable with optional 2nd HDD
- 256KB On-Die L2 Cache
- > 2X AGP 8MB ATI Rage Pro 3D Video
- > 3D Surround Sound
- > Smart Lithium-Ion Battery
- > Built-In Touchpad Pointing Device
- > 2 Type II or 1 Type III PCMCIA Slots
- > Infra Red, Wireless Fast IR Interface
- > 1 TV-Out Port & 2 USB Ports
- > Other Ports: 1S, 1P, Ext. Keyboard and Ext. CRT
- > A4 Size Windows" 95 Keyboard
- > Microsoft® Windows® 98
- Deluxe Carrying Case
- > Weight: 6.8 lbs with Battery
- > 12.4'w x 10.1'd x 1.58'h
- > Sager's Umbrella Protection Policy

\$2395

#### NP3360i

- > 14.1° XGA Active Matrix Display
- Intel® Pentium® III Processor 700MHz
- 128MB 100MHz SDRAM
- 12.0GB Ultra DMA Hard Drive
- 6X Max. DVD-ROM Drivet
- Modular 3.5" FDD exchangeable with opt. LS-120 Drive or 2nd HDD
- 256KB On-Die L2 Cache
- 2X AGP 8MB ATI Rage Pro 3D Video
- 3D Surround Sound
- > Smart Lithium-Ion Battery
- Built-In Touchpad Pointing Device
- > 2 Type II or 1 Type III PCMCIA Slots
- Infra Red. Wireless Fast IR Interface
- > 1 TV-Out Port & 2 USB Ports
- > Other Ports: 1S, 1P, Ext. Keyboard and Ext. CRT
- A4 Size Windows\* 95 Keyboard
- Microsoft\* Windows\* 98
- Deluxe Carrying Case
- > Weight: 6.8 lbs with Battery
- 12.4'w x 10.1'd x 1.58'h
- > Sager's Umbrella Protection Policy

\$2145

#### NP3360e

- > 13.3" XGA Active Matrix Display
- Intel® Pentium® III Processor 600MHz
- 64MB 100MHz SDRAM
- 6.0GB Ultra DMA Hard Drive
- 6X Max. DVD-ROM Drivet
- Modular 3.5" FDD exchangeable with opt. LS-120 Drive or 2nd HDD
- 256KB On-Die L2 Cache
- > 2X AGP 8MB ATT Rage Pro 3D Video
- 3D Surround Sound
- > Smart Lithium-Ion Battery
- > Built-In Touchpad Pointing Device
- > 2 Type II or 1 Type III PCMCIA Slots > Infra Red, Wireless Fast 1R Interface
- > 1 TV-Out Port & 2 USB Ports
- > Other Ports: 1S, 1P, Ext. Keyboard and Ext. CRT
- > A4 Size Windows® 95 Keyboard
- > Microsoft" Windows" 98
- > Deluxe Carrying Case
- > Weight: 6.8 lbs with Battery
- > 12.4 w x 10.1 d x 1.58 h
- > Sager's Umbrella Protection Policy

\$1895

#### NP3360c

- > 13.3" XGA Active Matrix Display
- Intel® Celeron® Processor 500MHz
- 64MB 100MHz SDRAM
- 6.0GB Ultra DMA Hard Drive
- 24X Max. CD-ROM Drive\*
- Modular 3.5" FDD exchangeable with opt. LS-120 Drive or 2nd HDD
- 128KB On-Die L2 Cache
- > 2X AGP 8MB ATI Rage Pro 3D Video
- 3D Surround Sound
- > Smart Lithium-Ion Battery
- > Built-In Touchpad Pointing Device
- > 2 Type II or 1 Type III PCMCIA Slots > Infra Red, Wireless Fast IR Interface
- > 1 TV-Out Port & 2 USB Ports
- > Other Ports: 1S. 1P. Ext. Keyboard and Ext. CRT
- > A4 Size Windows\* 95 Keyboard
- > Microsoft\* Windows\* 98
- > Deluxe Carrying Case
- > Weight: 6.8 lbs with Battery
- > 12.4'w x 10.1'd x 1.58'h
- > Sager's Umbrella Protection Policy

\$1645

#### NP5150s

- > 12.1" SVGA Active Matrix Display Intel® Pentium® III Processor 600MHz
- 64MB SDRAM
- 6.0GB Ultra DMA Hard Drive
- 6X Max. DVD-ROM Drivet The Smallest All-In-One Design
- 256KB On-dle L2 Cache
- 4MB Video SDRAM with AGP
- > 3.5" 1.44MB Floppy Disk Drive
- > 3D Surround Sound
- Smart Lithium-Ion Battery > Built-In Touchpad Pointing Device
- 2 Type II or 1 Type III PCMCIA Slots
- > Infra Red, Wireless Fast IR Interface
- 1 TV-Out Port
- 1 Kensington Lock Port
- Other Ports: USB, 1S, 1P, Ext. Keyboard and Ext. CRT
- Windows 95 Keyboard
- > Microsoft\* Windows\* 98
- Deluxe Carrying Case
- > Weight: 5.8 lbs with Battery
- > 11.0°w x 9.4°d x 1.6°h
- > Sager's Umbrella Protection Policy

\$1695

#### NP5150e

- > 12.1" SVGA Active Matrix Display
- Intel® Celeron™ Processor 500MHz 64MB SDRAM
- 6.0GB Ultra DMA Hard Drive
- 24X Max. CD-ROM Drive\* The Smallest All-In-One Design
- 128KB On-die L2 Cache
- 4MB Video SDRAM with AGP > 3.5° 1.44MB Floppy Disk Drive
- > 3D Surround Sound
- > NiMH Battery
- > Built-In Touchpad Pointing Device
- 2 Type II or 1 Type III PCMCIA Slots
- Infra Red, Wireless Fast JR Interface
- 1 TV-Out Port 1 Kensington Lock Port
- Other Ports: USB, 1S, 1P, Ext. Keyboard and Ext. CRT
- Windows\* 95 Keyboard Microsoft® Windows® 98 Deluxe Carrying Case
- Weight: 5.8 lbs with Battery > 11.0'w x 9.4'd x 1.6'h
  - Sager's Umbrella Protection Policy \$1395

#### NP5150 C

- > 12.1" SVGA HPA Display
- Intel® Celeron™ Processor 500MHz
- 32MR SDRAM
- 6.0GB Ultra DMA Hard Drive
- 24X Max. CD-ROM Drive\* The Smallest All-In-One Design
- 128KB On-die L2 Cache
- 4MB Video SDRAM with AGP
- > 3.5" 1.44MB Floppy Disk Drive
- > 3D Surround Sound
- > NIMH Battery
- > Built-In Touchpad Pointing Device
- > 2 Type II or 1 Type III PCMCIA Slots
- Infra Red, Wireless Fast IR Interface
- 1 TV-Out Port
- 1 Kensington Lock Port Other Ports: USB, 1S, 1P, Ext. Keyboard

> Sager's Umbrella Protection Policy

- and Ext. CRT
- Windows® 95 Keyboard Microsoft\* Windows\* 98
- Deluxe Carrying Case
- Weight: 5.8 lbs with Battery > 11.0'w x 9.4'd x 1.6'h

\$1245

#### Sager's Umbrella Protection Policy

- > 30-Day Money-Back Guarantee. If the equipment does not work as promised, or if you are not fully satisfied, we will issue a full refund upon the return of all original equipment.
- > 48-Hour Repair Promise. For the first 30 days, we'll repair or replace your computer within 48 hours, and we'll pay the 2nd day air return ship-
- > 72-Hour Repair Promise. For the rest of the 1-year warranty period, if it takes more than 72-hours to repair your computer, we'll pay 2nd day air return shipping charge
- > 1-Year Parts and Labor Limited Warranty.

> Lifetime Toll-Free Technical Support. Umbrella Policy Applies to End Users in the United States of America and in Canada only and 48-Hour/72-Hour repair poli-cies apply to hardware only. Software problems may take longer.

Sager Corporate Offices 18005 Cortney Court City of Industry, California 91748

Cashiers Checks Welcomed.

Tel: 626.964-8682, Fax: 626.964-2381 Hours: Monday-Friday 7:30a.m. - 6p.m. Saturday 9a.m. + 3p.m. (PST) American Express, VISA, MasterCard &

Discover Credit Cards Accepted - No Surcharge.

#### OPTIONS

> LS-120 Drive

> Numeric Keynad

> USB Video-Camera

> 56K V.90 Modem\* > PCMCIA 10/100M

PCMCIA

10/100M+ 56K Lan

(800) 669-1624 www.sagernotebook.com



## GPS AT MILITARY PRECISION

t won't help you decide where politicians stand on issues, but on May 2, President Clinton made it easier to know exactly where you are standing when he ordered removal of



military encryption from 24 U.S. Global Positioning Satellite (GPS) signals, making existing and new civilian GPS units up to 10 times more accurate.

Handheld or vehiclemounted GPS devices used by boaters, pilots, hikers, delivery companies, emergency services, and car-rental firms originally offered a level of precision of roughly 100 yards. Now, users of inexpensive, widely available GPS units can pinpoint a location with an accuracy of approximately 10 yards. That's like getting a free upgrade you don't even have to install.

This improved accuracy will also apply to new cell phones, which FCC regulations will soon require to have GPS capabilities to aid in answering emergency calls.

GPS technology, which can be added to any laptop computer for less than \$200 (including street or geologic maps), deter-

mines your location by comparing extremely accurate time signals from a constellation of satellites orbiting the earth.

The military encryption was put in place to give the United States and NATO forces a navigational edge over ene-

mies, but a study ordered by the White House in 1996 determined that GPS accuracy could be adjusted by region instead. And that means that consumers can now find their way with military precision.

-John McCormick

### Bill Busters

If you could use some help with your finances—and who couldn't?—you'll want to check out LowerMyBills.com and FinanCenter (www. financenter.com). These sites let you comparison-shop across a range of categories to help you whip your finances into a semblance of good shape.

LowerMyBills.com focuses on personal finance. You click on a bill category and enter your ZIP code to dig up the best deals available in your area. After entering a minimal amount of data, you're presented with a comparison chart with links that take you to the company of your choice for more information or to apply for its service.

So far, nine categories are available, including mortgages, insurance, cellular and long-distance phone service, and credit cards. Each category offers tips for saving money, as well as other information to help you understand the issues. In addition, the site has an exclusive relationship with consumer advocate David Horowitz, to whom you can submit questions.

FinanCenter offers comparison-shopping—in categories that range from home and car buying to banking—but it also delivers detailed investment information. The site provides comparison charts and offers a wealth of information and advice for all its categories, giving you a solid basis for your decisions. FinanCenter also provides a large number of financial calculators that crank out calculation comparisons,



graphs, and full explanations.

The revenue models are different. LowerMyBills.com gets paid by vendors when a customer clicks to that vendor from the site and buys the service. "We only make money if you lower your bill payments," says Matt Coffin, founder and CEO of LowerMyBills.com.

FinanCenter.com employs banner ads for revenue in addition to collecting a fee from vendors for links to the site. A conflict of interest? Sherri Neasham, president of FinanCenter, disagrees, noting that "the user alone" determines the weight of the comparisons.

-Nell Randall

## WALLIE LINE DESCRIPE

A sampling of desktop configurations and pricing based on ads in the June issue of Computer Shopper

HP \$649 566MHz AMD K6-2, 64MB RAM, 15GB hard drive, 15° monitor, micronpc.com \$1,249 600MHz Pentium III, 64MB RAM, 10GB hard drive, 17" monitor, CD-ROM, 16MB graphics Quantex \$1,899 800MHz Pentium III, 128MB RAM, 30GB hard drive, 17" monitor, DVD-ROM, 32MB graphics, Zip drive, TV-tuner card, Ethernet

InterPro \$2,429 700MHz Pentium III, 128MB RAM, 9GB hard drive, 19" monitor, CD-ROM, 32MB graphics, SCSI, Zip drive, TV-tuner card

\$500 \$1,000

\$1,500

\$2,000

\$2,500 \$3,000

eMachines \$989 533MHz Celeron, 64MB RAM, 15GB hard drive, 15" monitor, CD-RW, printer CyberMax \$1,599 800MHz Athlon, 128MB RAM, 20GB hard drive, 17" monitor, DVD-ROM, 32MB graphics, digital camera Dell \$2,199 850MHz Pentium III, 128MB RAM, 30GB hard drive, 17" monitor, DVD-ROM, 32MB graphics ABS \$2,769 800MHz Pentium III, 256MB RAM, 40GB hard drive, 19" monitor, CD-RW, DVD-ROM, 32MB graphics, TV-tuner card, digital carnera

Source: Computer Shopper Leading Brand Index, June 2000

#### BROADBAND BOOM

Worldwide broadband modem shipments topped 2.2 million in the first three months of this year, with shipments of ADSL modems growing 46 percent over the last quarter of 1999. Cable-modem growth was just behind, showing a 38 percent gain over the same period.

Source: Cohners In-Stat Group

ILLUSTRATION BY WILLIAM RIESER



## Don't let your computer go to pieces

Safeware, a leader in insurance coverage for computer owners since 1982, offers comprehensive computer insurance plans for homes, students, schools and businesses. We protect your valuable computer equipment against:

Accidental Damage • Theft • Power Surges • Fire • Vandalism • Flood • Natural Disasters

#### That's a good thing to know because:

- 49% of all computer-related losses occur as a result of accidents.\*
- 28% of all computer-related losses occur as a result of theft.\*
- 12% of all computer-related losses occur as a result of power surges.\*

Most standard homeowners or commercial policies either exclude or have limited coverage for these types of losses.

Sign up today and enjoy a 30-day trial period!

Visit: www.safeware.com

Or call: 1-800-800-1492

for complete details, including limitations and exclusions.

\*According to the 1999 Safeware Loss Study.

UT10407A 0700 mdao ©2000 Assurant Group



Microsoft OEM System Builder Program HEMBER 1999

www.micropro.com NEW NetCraft II

Intel® i810E Chipset 2 Universal Serial Bus (USB) Ports 64 MB 100MHz SDRAM Memory 8.4 GB Ultra66 IDE Hard Drive

Intel 3D graphics with TV OUT 52X Max IDE CD-ROM. 3.5" Floppy Drive 8X IDE DVD-ROM Drive (Add \$75.00) 24-bit 3D wavetable Stereo Sound 56K PCI v.90 Fax/Modem w/Voice

10/100MBs 10base-T Nic Card External Speaker set Bookshelf Slim Case

Intel® Pentium-III 700MHz 799 849 750MHz

Intel® Celeron®

566MHz 600MHz \$659

(Show with optional monitor

Now even more powerful!

SYSTEMS INCLUDE:

- MS Windows'98 and Internet Explorer 5.0 104-key PS/2 Keyboard & PS/2 Mouse
- COREL WordPerfect Suite2000, and 155 CD Titles w/Encyclopedia
- . McAfee Virus Scan for MS Windows'98 . 3 YEARS Limited Parts & Labor Warranty

FREE

Sentinel 700GXi

700MHz Intel®Pentium-Ill"processor

Intel® T440BX single processor server board Deluxe Tower server chassis 128 MB 100MHz SDRAM Memory 9.1 GB Ultra-2/LVD SCSI Hard Drive

9.1 GB Ultra-2/JVD SCSI Hard Drive
50X Max EIDE CD-ROM, 3.5" Floopy Drive
Integrated Ultra Wide SCSI Single Channel Controller
Intel® EtherExpress PRD/100+ LAN Controller
On-board FC ZMB Video Adapter
Intel® new Emergency Management Port (EMP)
On-board Management controller
and Intel® Server Control
External S6K v.90 Fax/Modem (for remote diagnostics)

104-key PS/2 Keyboard & PS/2 Mouse 3-year parts, 3-year on-site warranty

#### \*Constellation 7701MP

2 Universal Serial Bus (USB) Ports 128 MB 133 MHz SDRAM Memory 40.5 GB Ultra66 IDE Hard Drive 32MB nVIDIA geFORCE-2 4X AGP Graphics Card

16X IDE DVD-ROM Drive 3.5" Floppy Drive 3Com v.90 56K PCI WinModem Creative Labs Sound Blaster Livet Value Deluxe ATX Tower Case AltecLansing ACS-54 sound system 19" .26 N.I. Digital Monitor

Intel®Pentium-III"

667MHz \$1579 733MHz 1629 1689 866MHz 1889 933MHz

#### \*Constellation 7612MP

2 Universal Serial Bus (USB) Ports AMD 128 MB 133 MHz SDRAM Memory 30.4 GB Ultra66 IDE Hard Drive Athlor 32MB nVIDIA geFORCE 4X AGP

Graphics Card 16X IDE DVD-ROM Drive

3.5" Floppy Drive 3Com v.90 56K PCI WinModem Creative Labs Sound Blaster Live! Value Deluxe ATX Tower Case

AltecLansing ACS-54 sound system 19" .26 N.I. Digital Monitor

AMD Athlon K-7 w/sonow to

\$1399 750MHz 1459 1549 воомни 850MHz 1669 1859 950MHz

1GHz

#### \*Constellation 7711MP

2 Universal Serial Bus (USB) Ports 64 MB 133MHz SDRAM Memory 20.4 GB Ultra66 IDE Hard Drive 32MB nVIDIA geFORCE 4X AGP

Graphics Card 10X IDE DVD-ROM Drive,

3.5" Floppy Drive 56K PCI v.90 Fax/Modem w/Voice Creative Labs Sound Blaster 128 PCI Deluxe ATX Tower Case AltecLansing ACS-33 sound system 17" .27 N.I. Digital Monitor

Intel®Pentium-III

667MHz \$1099 733MHz 1149 933MHz

866MHz 1659

#### \*Constellation 7712MP

2 Universal Serial Bus (USB) Ports 64 MB 133 MHz SDRAM Memory 20.4 GB Ultra66 IDE Hard Drive 10X IDE DVD-ROM Drive 3Dfx Voodoo-3 3000

16MB AGP w/TV OUT

3.5\* Floppy Drive 56K PCI v.90 Fax/Modem w/Voice Creative Labs Sound Blaster 128 PCI

Deluxe ATX Tower Case AltecLansing ACS-33 sound system 17" .27 N.I. Digital Monitor

AMD Athlon K-7 wannow

700MHz \$1029 750MHz 1059 воомни 1119

950MHz 1499 900MHz

AMD

Athlor

#### 750MHz \$889

\*Constellation 4512MP

64 MB 100MHz SDRAM Memory 15.2 GB Ultra66 IDE Hard Drive 32MB nVIDIA TNT-2 2X AGP

3.5" Floppy Drive 56K PCI v.90 Fax/Modem w/Voice PCI 3D wavetable Stereo Sound Deluxe ATX Tower Case

AltecLansing ACS-33 sound system 17" .27 N.I. Digital Monitor

52X Max IDE CD-ROM Drive.

650MHz 919 999 800MHz 850MHz 1169

Intel®Pentium-III"

#### \*Constellation 3412CP

128 KB Internal L2 Cache 2 Universal Serial Bus (USB) Ports 64 MB 100MHz SDRAM Memory 15,2 GB Ultra66 IDE Hard Drive 16 MB nVIDIA TNT-2 2X AGP

10X IDE DVD-ROM Drive

3.5° Floppy Drive PCI 3D wavetable Stereo Sound 56K PCI v.90 Fax/Modern w/Voice Stereo Microphone and 240W speakers

Deluxe Micro ATX Tower Case 17" .27 N.I. Digital Monitor

Intel® Celeron® \$779 566MHz GOOMHY 799 633MHz 667MHz

700MHz

## NEW Net Appliance

2 Universal Serial Bus (USB) Ports 64 MB 100MHz SDRAM Memory 15.3 GB Ultra66 IDE Hard Drive Intel 3D graphics with TV OUT Slim 24X IDE CD-ROM Slim 4X IDE DVD-ROM Drive (Add \$155.00) 24-bit 3D wavetable Stereo Sound 56K PCI v.90 Fax/Modern w/Voice 10/100MBs 10base-T Nic Card External Speaker set Unique Design Case





#### **UPGRADE OPTIONS**

USB Digital Video Camera
Iomega 100MB ZIP Drive Int. IDE 49
Iomega 250MB ZIP Drive Int. IDE 90
3COM 32-bit 10/100 Network Card 59
36-bit Color FlatBed USB Scanner 69
MS Office2000 Small Business Edition 175
MS Office2000 Professional Edition 299
MS Home Productivity Bundle 45

We use these these popular products in building our quality systems









AUGUST 2000 COMPUTER SHOPPER. All prices subject to change without notice. Previous Sales Excluded.













UNLIMITED TOLL FREE TECHNICAL SUPPORT 800,809,6483

100-353-30

Local & International • (216) 661-7218 • Fax: (216) 661-2454 HOURS: Mon-Fri 10 am-7 pm • Saturday 10 am-5pm (est)



niel w

NetForce T866i 866MHz Intel®Pentium-III"processor

Intel® L440GXh DUAL processor server board Intel ASTOR-II server chassis 256 MB 100MHz SDRAM Memory 27.3 GB Three (3) 9.1 GB Ultra-2/LVD SCA SCSI Hard Drives
AMI MegaRaid 300 Raid 5 Controller 32MB RAM
40X Max SCSI CD-ROM, 3.5" Floopy Drive
Five Hot-Swap SCA SCSI drive bays
Integrated Dual Channel (1) Ultra-2/LVD,

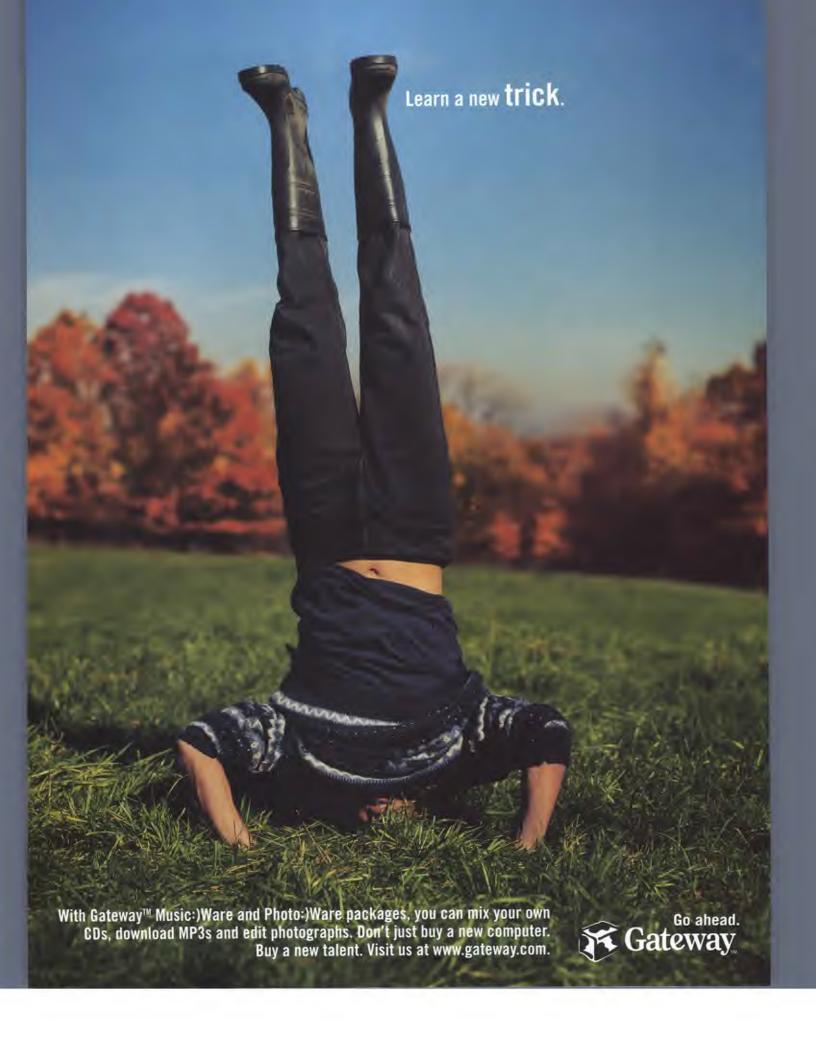
Integrated Dual Channel (1) Ultra-2/LVD,
(1) Ultra-wide Controller
(1) Ultra-wide Controller
(1) Ultra-wide Controller
(1) Unboard PCI 2MB Video Adapter
(intel® rew Emergency Management Port (EMP)
(1) Unboard Management Controller
and Intel® Server Control

External 56K vsg Pax/Modem (for remote diagnostical)
(1) University Controller
(1) University Controller
(1) Ultra-2/LVD (1) Ultra-2/LVD
(1) Ultra-2/LVD
(1) Ultra-2/LVD
(1) Ultra-2/LVD
(1) Ultra-2/LVD
(1) Ultra-2/LVD
(1) Ultra-2/LVD
(1) Ultra-2/LVD
(1) Ultra-2/LVD
(1) Ultra-2/LVD
(1) Ultra-2/LVD
(1) Ultra-2/LVD
(1) Ultra-2/LVD
(1) Ultra-2/LVD
(1) Ultra-2/LVD
(1) Ultra-2/LVD
(1) Ultra-2/LVD
(1) Ultra-2/LVD
(1) Ultra-2/LVD
(1) Ultra-2/LVD
(1) Ultra-2/LVD
(1) Ultra-2/LVD
(1) Ultra-2/LVD
(1) Ultra-2/LVD
(1) Ultra-2/LVD
(1) Ultra-2/LVD
(1) Ultra-2/LVD
(1) Ultra-2/LVD
(1) Ultra-2/LVD
(1) Ultra-2/LVD
(1) Ultra-2/LVD
(1) Ultra-2/LVD
(1) Ultra-2/LVD
(1) Ultra-2/LVD
(1) Ultra-2/LVD
(1) Ultra-2/LVD
(1) Ultra-2/LVD
(1) Ultra-2/LVD
(1) Ultra-2/LVD
(1) Ultra-2/LVD
(1) Ultra-2/LVD
(1) Ultra-2/LVD
(1) Ultra-2/LVD
(1) Ultra-2/LVD
(1) Ultra-2/LVD
(1) Ultra-2/LVD
(1) Ultra-2/LVD
(1) Ultra-2/LVD
(1) Ultra-2/LVD
(1) Ultra-2/LVD
(1) Ultra-2/LVD
(1) Ultra-2/LVD
(1) Ultra-2/LVD
(1) Ultra-2/LVD
(1) Ultra-2/LVD
(1) Ultra-2/LVD
(1) Ultra-2/LVD
(1) Ultra-2/LVD
(1) Ultra-2/LVD
(1) Ultra-2/LVD
(1) Ultra-2/LVD
(1) Ultra-2/LVD
(1) Ultra-2/LVD
(1) Ultra-2/LVD
(1) Ultra-2/LVD
(1) Ultra-2/LVD
(1) Ultra-2/LVD
(1) Ultra-2/LVD
(1) Ultra-2/LVD
(1) Ultra-2/LVD
(1) Ultra-2/LVD
(1) Ultra-2/LVD
(1) Ultra-2/LVD
(1) Ultra-2/LVD
(1) Ultra-2/LVD
(1) Ultra-2/LVD
(1) Ultra-2/LVD
(1) Ultra-2/LVD
(1) Ultra-2/LVD
(1) Ultra-2/LVD
(1) Ultra-2/LVD
(1) Ultra-2/LVD
(1) Ultra-2/LVD
(1) Ultra-2/LVD
(1) Ultra-2/LVD
(1) Ultra-2/LVD
(1) Ultra-2/LVD
(1) Ultra-2/LVD
(1) Ultra-2/LVD
(1) Ultra-2/LVD
(1) Ultra-2/LVD
(1) Ultra-2/LVD
(1) Ultra-2/LVD
(1) Ultra-2/LVD
(1) Ultra-2/LVD
(1) Ultra-2/LVD
(1) Ultra-2/LVD
(1) Ultra-2/LVD
(1) Ultra-2/LVD
(1) Ultra-2/LVD
(1) Ultra-2/LVD
(1) Ultra-2/LVD
(1) Ultra-2/LVD
(1) Ultra-2/LVD
(1)

104-key PS/2 Keyboard & PS/2 Mouse 3-year parts, 3-year on-site warranty



1-800-551-1198 Intel® Server Solutions





#### The Gateway" Performance Line:

serious computers with serious components.

You want it all. Speed, Power, Fully loaded solutions like Gateway Music:) Ware and Photo:) Ware packages. And since you want the ability to run all your multimedia programs without a glitch, you want a Gateway Performance PC with loads of megabytes, the latest processor technology and a built-in DVD. And with the thousands of customizing options available online, you can build one to satisfy your every technological desire.

#### **Gateway Performance 800**

Intel® Pentium® III Processor 800MHz

64MB SDRAM

EV700 17" Monitor (15.9" viewable)

32MB NVIDIA™ RIVA TNT2™ M64 Graphics Accelerator

30GB UATA66 7200 RPM Hard Drive

12X DVD-ROM Drive

Sound Blaster® Live!™ Value Card

Boston Acoustics® BA735™ Speakers w/Subwoofer

56K1 PCI Voice Modem

Microsoft® Windows® 98 Second Edition

MS® Works Suite 2000 Software

\$1599 or as low as \$45/me.

#### **Gateway Performance 866**

Intel Pentium III Processor 866MHz

128MB SDRAM

EV700 17" Monitor (15.9" viewable)

32MB NVIDIA RIVA TNT2 Graphics Accelerator

30GB UATA66 7200 RPM Hard Drive

16X DVD-ROM Drive

Sound Blaster Live! Value Card

Boston Acoustics BA735 Speakers w/Subwoofer

56K1 PCI Voice Modem

MS Windows 98 Second Edition

MS Works Suite 2000 Software

s1999 or as low as \$56 line hPR (4.99L) lor 48 i



#### Gateway" Essential: powerful PCs at practical prices.

Looking for a tremendous machine at a not-at-all tremendous price? The Gateway Essential 667 has a superfast 667MHz processor, CD-ROM and serious acoustics. You can download MP3s with a Music:)Ware package or create a digital photo album with a Photo:)Ware package. And you can do it all online at gateway.com. Now you can match your computer to your life as well as your budget.

#### **Gateway Performance 933**

Intel Pentium III Processor 933MHz

128MB SDRAM

EV910 19" Monitor (18" viewable)

32MB NVIDIA GeForce2 GTS™ DDR AGP Graphics

30GB UATA66 7200 RPM Hard Drive

16X DVD-ROM Drive

Sound Blaster Live! Value Card

Boston Acoustics BA735 Speakers w/Subwoofer

56K1 PCI Voice Modem

MS Windows 98 Second Edition

MS Works Suite 2000 Software

\$2499

or at low as \$70/mg.

#### **Gateway Essential 667**

Intel Pentium III Processor 667MHz

64MB SDRAM

EV700 17" Monitor (15.9" viewable)

Intel 3-D Graphics

15GB Ultra ATA Hard Drive

48X Max/20X Min CD-ROM Drive

Steren Audin

Boston Acoustics BA265 Speakers

56K1 PCI Voice Modem

1-Year Gateway.net® Internet Access?

MS Windows 98 Second Edition

MS Works Suite 2000 Software

1199

or as low as \$34/mo, (APR 14.9%) for 48 mos.\*

#### Solution Packages

#### Gateway Music:)Ware Packages

CD Creator Pack

CD-RW (CD-Rewritable Drive), CD Stomper™ Pro Labeling Kit, Getting Started Guide, Three-hour "Using Your PC to Explore Digital Music" Course (Instructor-led training at a Gateway Country™ store\*)

\$229 (for desktop PC)

#### Digital Audio Creator Pack

Digital Audio Player, Getting Started Guide, Three-hour "Using Your PC to Explore Digital Music" Course (Instructorled training at a Gateway Country store') \$299 (for desktop or portable PC)

#### Extreme Audio Pack

CD-RW (CD-Rewritable Drive), CD Stomper Pro Labeling Kit, Digital Audio Player, Getting Started Guide, Three-hour "Using Your PC to Explore Digital Music" Course (Instructor-led training at a Gateway Country store") \$499 (for desktop PC)

#### @ gateway.com

Add an Iomega® ZIP BUILT-IN™ 250MB Internal Drive w/ 1 ZIP Disk for \$99

#### Includes Windows 98 Second Edition

the home version of the world's favorite software

© 2000 Gateway, for, All rights reserved. Sateway, Solo, Profile, the Gateway stylized logo and Your | Ware are trademarks or registered trademarks of Gateway, fire Elevany, fire Elevany, Companies, Inc. The Intel Inside logo, Intel and Pentium are registered trademarks, and Celeron is a trademark of Intel Corporation. Microsoft, MS and Windows are registered trademarks of Microsoft Corporation. All other brands and gradual names are trademarks or registered trademarks of their respective companies, Prices and configurations subject to change without notice or obligation. Prices exclude shipping and handling and taxes.

\*Payment based on 48/mos. 14.9% APR for qualified customers. Max APR 28%. Not all customers will qualify. Excludes shipping and handling and taxes. Minimum FINANCE CHARGE \$1.00.





#### **Gateway Portable PCs:**

Our portables are built with all the might and muscle of a desktop, so you don't have to compromise awesome functions or packages to get a lightweight form. And with packages like Music: Ware and Photo: Ware, you can edit photographs and download MP3s while you're on the move.

#### Solo® 1100

12.1" HPA Color Display

Intel® Celeron™ Processor 466MHz

32MB SDRAM

6GB Ultra ATA Hard Drive

10X Min/24X Max CD-ROM Drive

3.5" Diskette Drive

V.90 56K1 Modem

MS Windows 98 Second Edition

MS Works Suite 2000 Software

#### Solo 2150CL

14.1" XGA TFT Color Display

Intel Pentium III Processor 600MHz

32MB SDRAM (expandable to 160MB)

6GB Ultra ATA Hard Drive

10X Min/24X Max CD-ROM Drive

V.90 56K1 Modem

2X AGP 3-D ATI Mobility™-M w/4MB SDRAM

MS Windows 98 Second Edition

MS Works Suite 2000 Software

#### Solo 9300CL

15" XGA TFT Color Display

Intel Pentium III Processor 700MHz

64MB SDRAM (expandable to 288MB)

12GB Ultra ATA Hard Drive

8X DVD-ROM Drive

V.90 56K1 Modem

2X AGP 3-D ATI Rage Mobility-MI w/8MB SDRAM

MS Windows 98 Second Edition

MS Works Suite 2000 Software

#### Gateway Profile™ 2 CX

15.1" XGA TFT Color Display

Intel Celeron Processor 500MHz

64MB SDRAM

20GB Ultra ATA Hard Drive

6X DVD-ROM Drive

V.90 56K1 Modem

MS Windows 98 Second Edition

MS Works Suite 99 Software

\$1999 IF AC TOWN AS \$56/mil

#### Solution Packages

#### Gateway™ Photo:)Ware Packages Digital Photo Workshop

Digital Camera, Photo Editing Software, Premium Photo Paper, Getting Started Guide, Three-hour "Using Your PC With Digital Photography" Course (Instructor-led training at a Gateway Country store") \$449 (for desktop or portable PC)

#### Electronic Photo Album

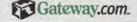
USB Scanner, CD-RW (CD-Rewritable Drive). Photo Editing Software, CD Stomper<sup>to</sup> Pro Labeling Kit, Getting Started Guide, Threehour "Using Your PC With Digital Photography" Course (Instructor-led training at a Gateway Country store') \$349 (for desktop PC)

#### @ gateway.com

#### **Gateway.com Accessory Store**

INSTANT 10% DISCOUNT ON **PURCHASES MORE THAN \$99** AT GATEWAY.COM

(excludes PCs, software and accessories purchased with PCs). Click on "Choose a Discount Program, select "Instant Rebate Coopen" and enter Valuation Number VO421.



#### Gateway Profile" 2:

With high-tech components wrapped up in a sleek package, the Gateway Profile 2 is the sports car of the information superhighway. And it barely takes up any desk space as if you needed another reason to want one.

#### CALL Gateway Direct

1.800.216.3309

#### CLICK Gateway.com

www.gateway.com

#### Gateway En Español

1.800.555.2052

## Go ahead.





Tell Free from Mexico 95-888-888-0074 Tell Free from Puerts Rico 800-846-3613



1. Maximum data transfer rate dependent upon veriables, including particular moderns with which you are communicating, telephone lines, communications software and communications protocols.

2. TO AVOID BEING CHARGED A MONTHLY FEE. CANCEL BEFORE ONE-YEAR PERIOD ENDS. One-year period begins 30 days from receipt of systems. \$1.50 per hour used over 150 hours per month. You may incur surcharges even during promotional period for premiums services, or long distance charges on your phone bill, depending on location and calling plan. Communication surcharges may also apply with some access numbers and in AK. Non-local access via 1-888# 10c per minute. New U.S. members only. Major credit card required. Use may be limited, especially during peak usage. For details, call 1-800-846-2000.

3. Prices and courses subject to change without notice. Prices exclude any applicable sales tax. Gateway does not purport to offer software training courses that develop specific knowledge or vocational skills for the purpose of training, retraining or upgeading individuals for gainful employment. Passes are not transferable. No returns are allowed for Upgrade Passes. Training available at participating Gateway Country locations. Courses listed may not be available in all locations.

4. Offer expires July 31, 2000.



## Quite a site to see. www.iiyamadirect.com



**TrueFlat** 

17" i70A - \$245 19" i90A - \$450



LCD

15" TFT - \$849



Shadow Mask

17" S700 - \$199

19" S900 - \$265



Call now to buy direct at (800) 394-4335 or visit us at www.iiyamadirect.com

© 2000 liyama North America, Inc. All rights reserved, iryama, the iryama logo, the RSVP logo, VisionMaster, Pro Lite, and TrueFlat are trademarks of liyama North America, Inc. All other trademarks are the properties of their respective owners. Prices shown are lyame direct prices. Reselver and retailer price may vary. Prices shown are subject to change and do not include any applicable sales tax or shipping and handling to recipient's declination. Specifications are subject to change without notice. For more information, please write us at 1560 Brookhollow Dr., Suite 208, Santa Ana, CA 92705. 808/394-4335, 714/437-5111; Fax: 714/437-7793.

Corporate inquiries welcome. Call (800) 914-9264







Il code 10



## Why PC Mall?

### For your business or home, PC Mall is your complete solution provider!

- Personal Account Executive
- Fastest Overnight Delivery
- Over 125,000 products from 20 warehouses nationwide
- **Customized Configuration**
- **Toll-free Technical Support**
- **Extended Warranties** and Service
- **Open Accounts** 
  - Software Licensing Programs Save up to 35% off of full package prices with PC Mall's volume licensing programs. Call our Licensing Hotline today

1-800-555-4204

#### **Leasing Programs**

Lease anything at truly affordable rates!

- 36 month term
- \$1 purchase option for businesses **How Leasing Works:**
- Tell your Account Executive you want
- We'll take a short aplication
- We'll call you with a credit decision within 4 hours
- If approved, we'll fax you a lease agreement
- Sign the lease agreement and fax it back
- When we receive the signed lease, we'll ship your order

#### **PC Mall EZ Payment Plan**

Have low fixed monthly payments on consumer purchases of \$750 or more. It is fast and easy to apply for. There are no application fees or prepayment fees. Financing is available on approved credit arranged through MBNA America Bank. N.A. Payment does not include shipping charges and sales tax if applicable. Call for details.

#### **PC Mall Has it All!**

#### Visit us online today at pcmall.com!

PC Mall was ranked among the top 100
Hottest Internet Companies by Business 2.0.
And we were ranked the #1 shopping site for the serious computer shopper by Gomez.com.
Unparalleled Product Selection
Choose from over 125,00 available products.

- Shoppers Assistant
  Can't find what you're looking for? Click on
  our new shoppers assistant to find exactly what you need.
- Memory Configurator
  Easily find the exact memory upgrade for your computer, notebook or digital camera!
- Weekly E-mail Specials
  Register for our weekly specials and be among
  the first to hear about our best deals.
- Consumer Electronics Camcorders, VCRs, DVD players, and more are only a click away.

#### Here's what our customers say about PC Mall...

Being in the service industry, we understand the importance of customer service and are happy to recognize someone for providing us with the same type of service we strive to give our customers. ??

> - Dave Hanna/Roxanne Firmin RTI Visiual Communications

#### Client Access Pages

HOREOFFICE Y MACHALLY GOVERNOW Y ELECTRONICS & CLEAPANCE **PCMall** Save time and money for your business! We customize our Web site to your business. Search Products Search | Shop by Bread 6 | Own **Customized Pricing** Fast Online Quotes Order Status res Piew Norro Top Selling Price Dropt

## Technology Solu



#### **HP Pavilion 6635**



- Intel<sup>®</sup> Celeron<sup>™</sup> processor at 500MHz
- 64MB of RAM expandable to 256MB
- 10.2GB hard drive
- 40X CD-ROM
- 56K V.90 modem
- Windows 98

## ects \$50 mfr. mail-in rebate Monitor sold separately

#### Satellite 2210XCDS

- Intel® Celeron® processor 500MHz
- 64MB RAM
- 24X max. speed CD-ROM
- 56Kbps modem
- 6.0GB hard drive
- 13.0" Dual Scan display and Toshiba Sound System

#59861 or lease for as low as

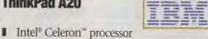


#### ThinkPad T20

- Intel® Pentium® III processor 700MHz
- 128MB RAM 12GB hard drive
- 56Kbps modem # 24X CD-ROM
- 14.1" TFT display Windows 98



#### ThinkPad A20



- at 500MHz 64MB RAM
- 6.0GB hard drive
- 24X CD-ROM
- 56K V.90 modem
- 12.1" TFT display
- Windows 98

only #61496



#### VAIO PGC-F430

■ Intel\* Pentium\* III processor at 450MHz

SONY

- 64MB-RAM
- 6.0GB hard drive
- 14.1" TFT display
- 56K V.90 modem
- 4X DVD-ROM Windows 98





#### Notebook 100

- 400MHz AMD-K6\*-2 processor
- 32MB RAM standard
- 5GB HD 1 24X CD-ROM
- 12.1" Active Matrix display
- 56Kbps modern mini PCI
- Li-lon battery with 5.5 hours of life
- Windows 95/98 1 year warranty

starting at \$1,099 #58175

Nikon

Products from these Major Man







TOSHIBA

Microsoft

SONY.



**EPSON** 









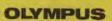














## tions for Tomorrow

#### COMPAQ

#### **iPAO** Internet Device

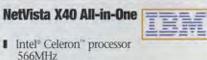
- Intel® Celeron™ processor at 500MHz
- 4GB HD
- 64MB RAM
- USB mouse
- Windows 2000





Ideal for corporate network envi-ronements and for employees who primarily use their PC for mainstream office productivity applications and corporate Internet/Intranet access.

only \$499 #57953



- 15° TFT Active Matrix display





#### **PC Mall has Great Deals on Peripherals** and Software!

**Active Matrix Color!** VE150 15" LCD **Flat Panel Display** 

only \$399 #813612





#### SYMANTEC.



5 Utilities in One Package! Norton SystemWorks 2000

only \$3889 #48571

Price after \$20 mit meil-in upgrade/crossgrade retete.
Ofter ends 81/00. Not valid with any other offer.

**Buy Both and** Save Over \*60! FrontPage 2000 & PhotoDraw 2000

only \$129 #57658 From Page Limited time offer







Office 350 **Power Protection** only \$79 99 #70652

**Now with Color!** Palm IIIc 8MB **Personal Organizer** 

only \$44999 #814450



**HP CD-Writer** Plus 9310i EIDE 10x4x32 only \$299 99 #58008 1



**HP LaserJet 3100se** All-in-One Printer, Scanner, Copier and Plain Paper Fax







3.34 Megapixel! CoolPix 990 **Digital Camera** 

Stylus® Color 900 **Business Color Printer** 

only \$14999 #74901 Price reflects \$50 mail-in rebate Factory refurbished. One year warranty



#57105

### and More!



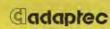


Canon

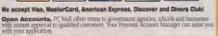












Shipping. We step by fedfare or UPS in the United States. Times call for details on our next day delivery service.

Prices and specifications subject to change without notice. We do our best to be occurred but occeanionally mediates occur. We are not respectively to expendition for any hypographical, photographic or incolnation errors. MOTE Products and probaging depicted may differ from stock available at time of shipment; we reserve the right to substitute operation from the Respigals (Ser.).



Use Priority Code #ZCSH081

## **Technology Solutions for** Tomorrow's Business

LP425ZVB LCD SVGA



#### Sony VAIO® XG-18

The ultimate combination of power, prestige, flexibility and portability!

- I Intel® Pentium® III processor at 650MHz
- 128MB RAM
- 18.1GB hard drive
- DVD-ROM 56K V.90 modem
- 13.3" Active Matrix display

only \$3,399 #56395 or lease for as low as \$127

#### **PC300GL Small Business**

Leading technology priced right!

- Intel® Pentium® III processor at 667MHz
- 20.4GB HD

128MB RAM ■ 48X CD only

\$1,319 #59284 or lease for as low as \$50



#### **Compaq ProLiant** 1600 Server

- Intel® Pentium® III processor at 600MHz
- 128MB RAM NIC
- 32X CD Windows NT

only \$2,759 #52468 or lease for as low as \$103







ASSOCIATES

innoculate/T"

anti-virus solution for

Offeres unmatched

Windows NT networks.

enterprise management.

4.5.3 Workgroup Edition

The premier real-time

#### Microsoft Windows 2000 **Professional**

The most reliable operating system for your business! Upgrade today or expand into a volume license for your whole site! upgrade only

\$188<sup>99</sup>#54256



## Software Licensing at PC Mall!

Take advantage of volume licensing & save!

Application software is a major expense for most businesses today. Many companies are unaware of how much they can save when they stop buying individual programs and switch to volume licensing.

There are many ways your company benefits from licensing:

- Immediate reduction in up front purchasing costs
- Enjoy additional incentives such as Competitive Upgrade Licenses and volume discounts
- Reduced support costs due to standardization of

software Call our licensing holline for more details! 1-800-555-4204

#### SuperStack II S Switch 3300.

#812633

Cisco 1720 Modular

Access Router

only 5979



In Focus

only \$2,999 #65682

only \$24999 #24499

Smart-UPS 420

**NET Network** 

Protection

Power

only 978 #28615

**HP LaserJet** 4050N Network Laser Printer

only \$1,489 #46022



#### **Client Access Pages**

Save time and money for your business! We customize our Web site to your business.

**Customized Pricing** Fast Online Quotes **Order Status** 

1-888-932-2602



Use Priority Code #ZCSH081

only \$27999 #45985





#### **DVD PROFESSIONAL**

(www.cyberpowerpc.com/cyberpower/dvdprof.html)

• ASUS P3Y4X 4X AGP UDMA 66 MAIN BOARD

- 256 MB PC133 SDRAM.
- + 30 G8 Ultro DMA 66 M9 7200 RPM Hard Drive
- NVIDIA GeFORCE-2 GTS 32MB DDR AGP Video Cord
- . 16X DVD-ROM

- Creative Lab Sound Blaster Live Value
   After Lansing ACS-54 4-Satellite Subve
- 19" VIEWSONIC E790 .22MM 1800 x 1500 SVGA
   3COM US-Robotic 56K V.90 Fox Modern w/ Voice

- Milsumi 1.44 M2 Floppy Drive
   PSZ WIN98 KEYBOARD & Internet Mouse
- ATX Medium Tower Case w/ 250 Wett UL
   Microsoft Windows 98 2nd Edition
- Worton Anti Virus w/ Ver 5.0 Engine
   One Year On Site Service +S29

#### Intel Pentium III

- -933/S 2469 cm11 -850/S 2199 cm12
- -800/S 2039(8013 -750/S 1999 (8014
- -733/S 1969 cents

#### Intel CELERON

■700/S 1939 CB016 ■ 600/S 1845 CB017

- 566/\$ 1825 rania

#### CYBERPOWER THUNDER

(www.cyberpowerpc.com/cyberpower/cpthunder.html)

- · Azzn Intel Chipset Matherboard
- . 64 MB PC100 SDRAM
- . 15 GR Ultro DMA A6 Hard Drive
- . HITEL 2D/3D AGP Video Cord
- . 52X CD-ROM
- UPGRADE TO LOX DVD ROW ADD SZO
- 30 Wevetable Sound
- . 120 Wett Fower Stereo Speakers
- . DIAMOND SUPRA 56K V.90 Fox Modern
- Mitsumi 1.44 MB Roppy Drive
   PS2 Win98 Keyboard & Internet Mouse
   ATX Medium Tower Case w/ 250 Watt UL
- . Microsoft Windows 98 2nd Edition
- . Latus Smort Suite Millennium Editio Cyberytsion C70 .27MM SVGA +S189
- . One Year On Sits Service +S29

#### Intel Pentium III

\*850/\$ 929 (804) \*800/\$ 759 (804) \*750/\$ 725 (804) \*733/\$ 689 (8044)

- •600/\$ 565 cao45 566/\$ 545 cao46 •533/\$ 529 cao47 500/\$ 519 cao48

#### **DVD DREAM**

- . ASIT VI-6 VIA 693A UDWA 66 MAIN BOARD
- . 27 GB Ultra DMA 5400 RPM Hard Drive
- . ATI EXPERT 2000 32MB 3D AGP Video Card · TOX DVD-ROM
- . 19" .26MM 1800 x 1400 SVGA Color Monitor
- . AC97 3D WXVETABLE Sound Card
- 450 Watt Subwoofer System w/ Satellite Speakers "Add a Zip Drive SS9"
- ZOOM 56K V.90 Fox Modern w/ Voice
- Mitsumi 1.44 MB Floppy Drive
   PS2 Win98 Keyboard & Internet Mos
- . ATX Medium Tower Case w/ 250 Watt UL
- . Microsoft Windows 98 2nd Edition
- . Latus Smart Suite Millennium Edition . One Year On Site Service +529

#### Intel Pentium III

- 933/S 1729 cm21 850/S 1469 cm22
- . 800/\$ 1295 (8023 . 750/\$ 1265(8024

#### Intel CELERON -733/S 1229 (8027 -600/S 1099 (8028

#### COPPERMINE PROFESSIONAL

- ABIT VA-6 VIA 693A UDMA 66 MAIN BOARD
- 256KB On-Die Coche at CPU Bus Speed
- 128 MR PC133 SERAM
- . 30 G8 Littro DMA 66 7200 RPM Hard Drive
- . ATI RAGE FURY PRO 32MB AGP Vuleo Cord w / TV OUT & IN
- · 52X CD-ROM
- 450 WATT Subwoofer System
   19" 26MM SVGA Color Manitor
- ZOOM 56K V.90 Fax Modern w/ Vaice
- Mitsumi 1.44 M8 Floppy Drive
- PS2 Win98 Keyboard & Internet Mouse
   ATX Medium Tower Case w/ 250 Watt UL
- · Microsoft Windows 98 2nd Edition
- · Lotus Smort Suite Millennium Edition
- . One Year On Site Service +579

#### Intel Pentium III

- 933/S 1799 crao1 ◆ 866/S 1595 craoz
- .850/\$1538crass .800/\$ 1366 crass
- •750/S 1329 craos •733/S 1299 craos

#### **POWER MAX 2000**

- . ABIT VA-6 VIA 693A UDMA 66 MAIN BOARD

- 20 GB Ulir DMA 66 Hard Drive
   ATI EXPERT 98 BMB AGP 3D Video Card
- . 52X CD-ROM
- · YAMAHA 3D Wavetable Sound
- 120-Watt Power Sterea Speakers
- 17" .27MM SVGA Flet Streen Color Manitor
   200M PCI 56K V.90 Fax Modern w/ Speaker Plix
- Mitsumi 1.44 MB Floopy Drive . PS2 Win98 Keyboard & Internet Mouse
- . ATX Medium Tower Case w/ 250 Watt UL
- · Microsoft Windows 95 2nd Edition Lates Smort Soite Millennium Edition
- . Own Year On Site Service. +S29

#### Intel Pentium III

- -850/\$ 1199 cost -800/\$ 1035 cost -750/\$ 999 cost -733/\$ 965 cost

#### Intel CELERON

- -600/\$ 839ccsss -566/\$ 819ccsss
- 533/S 799 (CBO)

#### **GAMER PRO DVD**

- . ASUS P3V133 693A UDMA 66 MAIN BOARD
- 27 GB Ultra DMA 5400 RFM Hard Drive
   MYIDIA GEFORCE 256 32MB AGF Video Card
- · 10X DVD-ROM
- . Creetive Leb Sound Bloster Live Volum . ALTEC LASING ACS 33 Subwarder System
- . 17" VIEWSONIC E771 .27MM SVGA Monitor
- \* ZOOM 56K V.90 Fox Modern w/ Vaice
- . Mitsumi 1.44 ME Flogsy Drive PS2 Win98 Keyboard & Internet Mouse
- . ATX Medium Tower Case w/ 250 Warn UL
- · Microsoft Windows 98 2nd Edition
- Lotus Smart Suite Millernium Edition One Year On Site Service +\$29

#### Intel Pentium III

- ■933/S 1789 cso71 ■866/S 1589 cso72
- 850/\$ 1535 can73 80Q/\$ 1359 can74 ■750/\$ 1329 caurs ■733/\$ 1295 caura
  - Intel CELERON
- -667/S 1229 cauzz -566/S 1149 cauza

#### HOME ENTERTAINMENT

- (www.cyberpowerpc.com/cyberpower/homeenter.html)
- . 20 GB Uhra DMA 66 Hard Drive
- . ATI EXPERT 98 SMB AGP Video Card
- AUREAL Vortex A3D PCI 3D WAVETABLE Sound Card
- 120-Watt Power Stereo Speakers . ZOOM 56K V.90 Fex Modlem w/ Voice
- · Mitsumi 1.44 M3 Floggy Drive Windows 98 Keybeerd & Internet Mouse

#### . One Year Dis Site Service +529

AMD K6-2 3D NOW 550/S 449 (2061 → 500/S 425 (2067)

#### AMD ATHLON

- -850/S 715 caoss -800/S 655 caosa -750/S 625 CROSS -700/S 615 CROSS

#### Intel CELERON

#### CYBERPOWER BEST BUY

- . ABIT VA-6 VIA 693A UDMA 66 MAIN BOARD
- 128 MB PC100 SDRAM. . 20 GB Ultra DMA 66 Hard Drive
- NVIDIA RIVA TNT2 M64 32M8 AGP Video Cord 52Y CD-ROW
- . ACST 3D WENTERED Sound Cord
- 450 Watt Subwoofer System w/ Satellite Speakers
- . DIAMOND SUPRA 56K V.90 Fax Modern . Milsumi 1.44 MB Floppy Drive
- PS2 Win98 Keyboard & Internet Mouse
- ATX Medium Tower Case w/ 250 Wart UL. Microsoft Windows 98 2nd Edition
- . Letus Smart Suite Millennium Edition Cybervision C70 .27MM SVGA +S189

#### . One Year On Site Service +529

- Intel Pentium III
- •850/\$ 1059 (2031 •800/\$ 885 (2032 •750/\$ 855 (2033 •733/\$ 819 (2034

#### Intel CELERON

•700/\$ 779 cm35 •566/\$ 689 cm36 •533/\$ 655 cm37 •500/\$ 645 cm36

• 566/S 479 cmar • 533/S 459 cmaa

4802 Little John St., Baldwin Park, CA 91706 Tel: (626)813-7730

Sat 9:30A.M. ~ 3:00P.M.

Fax: (626)813-3810 **Technical Support (877)876-4965** Hour: Mon-Fri 8:30A.M. ~ 6:00P.M.



CYBERPOWER INC.





· Price subject to change without notice.

Http://www.cyberpowerinc.com ORDER TOLL FREE (800)707-0393

## Cash Register Express Software for Windows...\$495

Computerize any type of retail store using Cash Register Express for Windows. Computerization pays for itself, saving you thousands of dollars, giving you peace of mind, and making the best use of your time. Cash Register Express.



has more than 250 of the most desired point of sale features to help you leapfrog past your competition by controlling costs, reducing errors and increasing efficiency.

#### More Software for Your Retail Store

- Video Express
- Salon Express
- Auto Express
- \* RestaurantPro Express
- Barcode Express
- Label Works
- ♣ Inventory Track Express
- Credit Card Software
- \* All Single or Multiuser

All PC America Software requires Microsoft Windows, The software was written in Visual Basic using Microsoft Access Files. The source code is available.

# CASH-REGISTER EXPRESS

#### **More Profit!**

More Sales!

#### **More Customers!**

Save Time, Reduce Theft,
Speed Checkout, Increase Accuracy,
Reduce Costs, Make Better Business
Decisions by computerizing
your Retail Store.



#### **Dealers Wanted!**

Join our dealer program.
It's FREE. It's the fastest way
to make money...AND
we make it EASY.

#### **MORE INFO?**

- ♦ Call Toll Free 1-800-722-6374
- www.pcamerica.com
- Fax on Demand 1-914-267-3551



Cash Drawers \$189\* MMF, Logic Controls, Indiana, APG



SYSTEMS

START AT

Programmable Keypads \$495\*
Logic Controls, Cherry, Genovation
Credit Card Readers \$189\*
Unitech, Mag-Tek

\*All prices depend on make and model.



Barcode Scanners \$495\*

Receipt Printers \$299\* Star, Ithaca, Citizen, Epson



Barcode Printers \$799\*

Cognitive Solutions Barcode Blaster



Pole Displays \$289\* Logic Controls

## 1-800-PC-AMERICA

Call Toll Free 1-800-722-6374 PH: 914-267-3500 FX: 914-267-3550

PC America 60 N. Harrison Ave. Congers, NY 10920



Portable Data Collectors \$695\* American Microsystems AMS3000

## YOU BUILD YOUR BUSINESS. WE'LL SAVE YOU MONEY.



### Just tell us your business needs. And we'll give you more for less than you think.



#### Gateway Solo" 3300 Ultra Portable

- · Intel® Pentium® III Processor 500MHz
- 3.65 Pounds
- . 1" Thin
- . 12.1" TFT SVGA Color Display
- . 64MB Memory
- . 6GB Hard Drive
- . Integrated V.90 Modem
- . Integrated 10/100 Ethernet
- . 1 Year Limited Warranty

\$2199 or

\$74/mo. 36-mos, business lease<sup>2</sup>

#### Gateway 7210 Workgroup Server

- . Intel Pentium III Processor 600MHz with 256K L2 Cache
- · Supports up to 2 Pentium III Processors
- . 128MB of PC100 ECC SDRAM (expandable to 2GB)
- . 9GB Ultra 160 SCSI (10K RPM) SCA Hard Drive · Integrated Dual Channel SCSI Controller
- 1 Channel Ultra 2, 1 Channel Ultra Wide Integrated Intel 10/100 Ethernet
- . 6 32-Bit PCI & 1 ISA Slot
- . Integrated 32-bit PCI Graphics with 2MB SDRAM
- . 12-Bay Case
- . 320W Power Supply (N+1 Redundant Subsystem optional)
- . HP Openview ManageX Event Manager
- . FGC Class A Emission Standard<sup>a</sup>
- · 3-Year On-site Service
- · 3-Year Limited Warranty

\$1999 or

\$68/mo. 36-mos. business lease2

#### Gateway™ 8400 Quad Processor Server

- . Intel® Pentium® III Xeon™ Processor 550MHz with 512K Cache upgradeable to 4 Pentium III Xeon 700MHz Processors with 2MB Cache
- 256MB PC100 ECC SDRAM (Expandable to 16GB)
- . 8 PCI slots: 6 64-bit Hot-plugs
- . Integrated 3-Channel SCSI; 2 Ultra160 Channels
- Integrated Intel® PCI 10/100 Ethernet
- . Integrated 32-bit PCI Graphics w/2MB DRAM · Dual Load-sharing, Hot-swap (optional third)
- 320 Watt Power Supplies . 9GB Ultra160 SCSI SCA 10K RPM Hard Drive (Upgradeable to Ten 36GB)
- Ültra 160 10K; Hot-swap Supported with RAID Option
- HP® OpenView™ ManageX Event Manager
- . FCC Class A Emission Standard
- · 3-Year Parts & Labor Limited Warranty
- . 3-Year On-Site Service

\$6299 or

\$197/mo. 36-mos. business lease?

#### 6P7i-667 SE Desktop

- · Intel Pentium III Processor 667MHz
- . 32MB SDRAM
- 7.5GB Hard Drive
- . Intel 3D AGP Graphics
- 15" EV500 Monitor (13.9" viewable)
- . 20X Min./48X Max. CD-ROM
- · Integrated Audio
- + 10/100 Ethernet
- Microsoft® Windows® 98
- MS\* Works Suite 2000
- · 3-Year Limited Warranty

\$30/mo. 36-mos. business lease2

Gateway Online Training Subscriptions...

Gateway offers a choice of 250 courses that range from Office Suite and Internet/Networking to Workplace Productivity and Desktop Publishing.

And you can purchase it now for only \$99 a year per user. Gateway Professional Websites...

Each site is hosted in a totally secure, shared server environment with automatic back-ups to help prevent data loss and server redundancy to provide 99% uptime. Prices starting at \$19.95/month plus \$50 set-up fee.

Register Your Web Address...

Your Web domain name extends the reach of your company on the Internet. Gateway offers domain name searching and will register your name for \$35.00 for a two-year contract — only \$17.50 per year!

Gateway recommends Microsoft® Windows® 2000 Professional for business.



## Gateway@Work



call 1-888-236-3391 or click www.gatewayatwork.com or visit a Gateway Country® store

Ad Code: 001516

De 2000 Gateway, Inc. All rights reserved, Gateway, Solo and the Gateway stylized logo are trademarks or registered trademarks of Gateway, Inc. The Intel Inside logo, Intel, Pentium and Pentium III Xeon are registered trademarks of Intel Corporation, Prices and configurations subject to change without notice or obligation, Prices exclude shipping and bases.

1. Visit gateway, com, call 1-800-846-2000 or write to Gateway Terms & Conditions, P.O. Box 1951, North Sioux City, SD 57049-1951 for a free copy of applicable limited warranties and service agreements. Services may be provided by third parties. An authorized representative determines the method of service provided. You may be required to take or send your product to an other means. On-site service is not available in all locations and excludes mice, keyboards, docking stations, external peripherats and monitors. See agreements for specific terms and limitations.

2. Lessing provided by independent leasing companies to qualified commercial customers, Lease terms subject to change without notice or obligation.

3. Pices and courses subject to change without notice, instructor-led courses subject to swallability, and students may be required to purchase course materials for certain courses. Customers need internet access to use this service, and Gateway is not responsible for any corriector charges. Gateway will credit the monthly service charge for this service based on the total uptime percentage, as calculated on our website at http://www.gateway-hosting.com/uptime or call your business account representative for more details.

#### \$10 OFF Order Online www.ibuypower.com

#### \$ 999

#### POCKET E

- Intel 810 Chipset
   Intel Celeron 533MHZ
  (P-III CPU available)
   4MB AGP Video Integr

- 3D Sound Integra 64MB SDRAM
- 6G8 Hard Drive Built-in Touch Pad
- Bulli-in Speaker 24x CD-ROM and Floppy Drive Included (optional 5x DVD-ROM) MS Windows 98 SE CD 1-Year Lämited Warrant



\$419

#### INTERNET BA

- PROCOMP Integrated Main Board
  wi512K Cache (or AZZA)
  Integrated SMB AGP Graphics & PCI 3D Sound
  64MB PC150 SBRAM 10GB Ultin Hard Drive
  52x CD-ROM Drive 56K V.90 FaxModern
  Wirst Reptoard & Scroling Internet Mouse
  120 Watts PMPO Sterio Speakers
  Pree One Year On-Site Service
  3-Year Limited Warranty
  MS Windows 98 SE CD & Manual add \$89
  Internal 100MB ZIP Drive add \$59
  Intel Caleron:

Intel Celeron: 500 MHZ ... \$439 (order# insp81) 533 MHZ ... \$499 (order# insp82) 500 MHZ ... \$519 (order# insp83)

AMD K6-2 3D Now: 500 MHZ .... \$419 (order# insp84) 550 MHZ .... \$459 (order# insp85)

#### WORKSTATION PC

PROCOMP 133Mbx Main Bloard

644B PC109 SDRAM

100grads: 120MB PC133 SDRAM @ \$75 \*\*\*

100B Litin DMA66 Hard Drive
upgrade: 200B Litin DMA68 Hard Drive @ \$39

52x CD-ROM Drive
ATT Xpert 88 M PVD Ready Graphics
upgrade: ATT Xpert 2000 ACP 32MB @ \$45

D-Line Ethernet 101/00 PCI Network Card
upgrade: 3COM 101/10 Ethermel Card @ \$40

1976 SPROPOST & SCOTTINIS Internet Mouse

Free One Year On-Site Service

3-Year Limited Warranty

MS Windows 96 SE CD & Manual add \$89

Internat 100MB ZIP Drive add \$59

Internat 100MB ZIP Drive add \$59

Intel Caleron Series:

500 MBZ..... \$444 (order# wosp81)

533 MBZ..... \$516 (order# wosp82)

600 MBZ..... \$545 (order# wosp83)

Intel Pentium III Series:

intel Pentium III Series: 650 MHZ ..... \$615 (order# wosp84) 700 MHZ ..... \$653 (order# wosp85) 750 MHZ ..... \$698 (order# wosp86)

\$1087

#### ATHLON BEST

- PROCOMP 4x AGP 133Min; MB (or ACPEN)
  128MB PC133 SDRAM
  upgrade: 290MB PC133 SDRAM @ \$180
  200B Utta ATA88 7200pm Hard Drive redizerupgrade: 300B 7200pm HD 00 @ \$50
  17\* Digital SVGA Moritor, 27mm
  upgrade: VEWSONIC 17\* E771 27mm @ \$39
  upgrade: VEWSONIC 19\* E780 22mm @ \$189
  53x CLBACK
- 52x CD-ROM

- 52x CD-ROM
  Districtor Supra 58K V.00 FeetModern w/Voice
  ATI Xpert 2000 AGP 32MS 3D Graphics
  AC97 Sound on Board
  upgrader C L Sound Bisster Livel Value @ \$50
  PSZ Win98 Keyboard & Scrolling Internat Moose
  MS Windows 99 SE CD & Meierual
  500 Watt Voize-300 Flat Panel Spos Speakers
  Free COREL Word Perfect Office 2000
  Free 70+ Software Millennium Gold Pack
  Free 70+ Software Millennium Gold Pack
  Free One Year On-Site Warranty
  3, Vara Limited Warranty
  3, Vara Limited Warranty

- 800 MHZ 10

NVIDIA GEFORCE 258 ACP 37MB Wideo
AC97 Sound on Board
Upgradic C. L. Sound Blaster Livel X-Gamer @ 595
PS2 Win86 Keyboard & Scrolling Internet Mouse
600 Watt Vozz-300 Fist Panal Spac Speakers
MS Windows 96 2nd Edition CD & Manual
Free COREL Word Perfect Office 2009
Free 70+ Software Milleensium Gold Pack
Free One Year On-Site Warranty
AMD Athlon K7 Series:
750 MHZ ... \$1184 (order# gpsp82)
850 MHZ ... \$1384 (order# gpsp83)
900 MHZ ... \$1469 (order# gpsp84)
intel Pertium III Series:
700 MHZ ... \$1287 (order# gpsp85)
800 MHZ ... \$1376 (order# gpsp85)

Components











About us

Comment









Why Pay More?

**FREE SHIPPING** 

\$ 496

- PROCOMP 133Mhz MB (or AZZA)

Product

- PROCOMM\* TISMER MB (or AZZA)

  64MB PC100 SORAM

  usgrade: 128MB PC133 SDRAM @ \$75 =0000\*

  2008 Ustra DMA66 Hard Drive

  usgrade: 3008 7200\*pm @ \$96

  52x CD-ROM Drive

  56X V.90 FauMddern w Voice
- Sibk V.90 FavModern wNotce
   ATI Xpen 39 AGP AMD OVD Ready Graphics upgrade: ATI Xpen 2000 AGP 32MB @ \$45
   PCI 30 Wavetable Sound Card
   PSE Winds Keyboard & Sorolling Internet Mouse
   120 Watt Stereo Speaker System
   Free COREL Word Perfoct Office 2000
   Free The Software Millennium Gold Pack
   Free One Year On-Site Service
   3-Year Limited Warranty
   MS Windows 88 SE CD & Manual add \$89

**GAMER'S PRO** 

+ MS Windo

AMD K6-2 3D Now: 500 MHZ .... \$495 (order# hosp\$1) 550 MHZ .... \$258 (order# hosp\$2) Intel Celeron Series: 500 MHZ ... \$529 (order# hosp\$4) 533 MHZ ... \$558 (order# hosp\$4) 500 MHZ ... \$558 (order# hosp\$8)

ADPEN AKT2 4x AGP MB (or PROCOMP)

128MB PC133 SDRAM

20GB Ultra ATARS 7200rpm Hard Drive

17 Digital SVGA Monitor, 27mm

952x CD-ROM

uggride- 8x4x32 CD-Rewitable @ \$125

uggrade- 8x4x32 CD-Rewitable @ \$175

Clamond Supra 56X V90 FaxWideble wiNote

NVDIA GEFORCE 256 AGP 32MB Video

ACST Sound on Buser

ACST SOUND on Buser

ACST SOUND on Buser

10 PROCOMMENT OF THE PROCESS AGP 32MB Video

10 PRO

#### ATHLON SPECIAL

- PROCOMP 4x AGP 133Mhz MB 126MB PC133 SDRAM upgrade: 256MB PC133 SDRAM @ \$160 20GB Utra DMA66 Hard Drive

opgrade: 256MS PCTSS SDRAM (§ \$160
20GB UITS DRAMOF HAND Drive
52x CD-ROM Drive
152x CD-ROM (§ \$100
152x CD-ROM (§ \$10

\* AOPEN 4x AGP 133Mhz M8 (or PROCOMP)

128MB PC133 SDRAM

30GB Uttes ATABS 720opm Hard Drive

19° Digital SVGA Morator, 28mm
sepander, VIEWSONIC C5790 19° 22 @ \$79
sepander, VIEWSONIC C5790 19° 22 @ \$79
sepander, VIEWSONIC C5790 19° 22 @ \$149

10c NDV-ROM Deve

Microsoft Kayboard & Intelli Mouse wi Wheel

3COM US Rebostes V90 Modern wiVoice

ATI RACE FURY PRO 32MB 4x AGP
wiVideo IsaSOut

AC97 Sound on Board
upgrader, CL, Sound Blaster Liver MP3+ @ \$85

ALTEC LANSING AC\$33 Subwooter Speakers
upgrader, ALTEC LANSING AC\$54 \$ Proces @ \$39

MS Windows 88 &C CO & Mescal

Free COREL Word Perfect Office 2000

Free 70+ Software Millennium Gold Pack

Free One Year On-Site Warranty

3-Year Limited Warranty

Intel Pentium III Series:

Intel Pentium III Series: 700 MHZ — \$1475 (order# hisp81) 750 MHZ — \$1528 (order# hisp82) 840 MHZ — \$1577 (order# hisp83) 850 MHZ — \$1749 (order# hisp84)

§1475

#### §1026 BACK TO SCHOOL

G

- PROCOMP 133Mhz MB 128MB PC133 SDRAM 20GB Utra DMA66 Hard Drive 52x CD-ROM Drive

- S2x CD-ROM Drive
  17° Digital SVGA Monitor, 27mm
  17° Digital SVGA Monitor, 27mm
  104MOND Supra 56K V:00 Modem exVoice
  NVIDIA PRIVA TNT-2 32MB ADP Graphics
  ACGF South Ce Board or PCI 31D South
  PS2 Wintle Keyboard & Strolling Informat Mouse
  MS Vindows 96 SE CD & Manual
  ALTEC LANSING ACS33 3 Piscens Scenkers
  Free COREL Word Perfect Office 2000
  Free 79\* Software Millennium Gold Pack
  Free Con Vear On-Site Service
  3 -Year Limited Warranty

- 3-Year Limited Warranty
   internsi 100MB Zip Drive add \$59

AMD Athlon K7 Series:
700 MHZ ... \$1026 (order# btsp81)
750 MHZ ... \$1075 (order# btsp82)
800 MHZ ... \$1175 (order# btsp82)
800 MHZ ... \$1154 (order# btsp83)
Intel Pentium III Coppermine Series:
630 MHZ ... \$1055 (order# btsp84)
700 MHZ ... \$1107 (order# btsp86)
750 MHZ ... \$1174 (order# btsp86)

**GAMER'S DREAM** 

AK-72 4x AGP MB; Full Tower
 255MB PC133 SDRAM
 30GB Utra ATA66 7200pm Hard Drive segmes: 40GB UtraATA65 7200pm HDD @ \$80
 Virtual
 19' E790 SVGA Monitor, 22mm
 18x DVD-ROM Drive

AMD Athlon K7 Series: AMD Attion K Seres: 800 MHZ ... \$2253 (order# gdsp81) 850 MHZ ... \$2427 (order# gdsp82) 900 MHZ ... \$2679 (order# gdsp84) 950 MHZ ... \$2813 (order# gdsp84) 1000 MHZ ... \$3192 (order# gdsp86)



24/7 Tech Support (877)857-7865

PROCESS

Price, Specification and farms are dutject to change without notice. Proture may differ from actual products. We are not responsible for errors in typography analytic photography. 30-day money back guarantees does not include opening and handling fee along with return singuing change are conventuables. Products matured atter 30 days or in a non-ventuable condition on on subject to in a restoring fee. In missing change are conventuables. Products matured atter 30 days or in a non-ventuable condition on on subject to in a restoring fee. Intelligence of the responsibility of the responsibil

#### HOT GEAR

#### rock your wrist -

Soon wristwatches may be reading e-mail to you. Until then, however, you can listen to your favorite CD-quality music on your \$249.95 Wrist Audio Player from Casio. This stylish chronometer stores between 33 and 66 minutes of MP3 tunes, depending on the audio-quality level you select. You download your songs into the watch over a special USB interface, then listen up. The rechargeable lithium-ion battery lasts about 4 hours on a single charge. For a hands-on review, go to equip.com.

Casio WMP-1V Wrist Audio Player Casio Down N.I. 800-962-2746

www.casio.com

#### this cd burner smokes

Want to produce your own audio CDs or back up your data quickly? Check out the stylish \$479 CDRevo, a snappy external drive that features 12x/4x/32x write/rewrite/read data rates and a large buffer to ensure reliable data transfer. The CDRevo connects to both PCs and Macs over a high-bandwidth IEEE 1394 [FireWire] link for ultrafast recording. The device comes in five colors to match any iMac and features a built-in handle for convenient transport. CD CyClone also sells a lower-performance \$295 version that works with USB.

CD CyClone CDRevo CD CyClone Duplication Lake Forest, CA: 949-470-4795 www.cdcyclone.com

#### sonic youth

Fast on the heels of its popular 0X3
Computer Microscope, chip giant Intel
Corp. has again teamed with Mattel to
expand its Intel Play series with the S45
Computer Sound Morpher, a nifty soundmanipulation device aimed at kids 6 and
older. Featuring a number of preset
sounds and filters such as Echo and
Ballpark, the Morpher lets children record
voices and ambient sounds, then morph
and mix them in all sorts of ways. They
can attach their new audio creations to
e-mails by uploading them to a PC.

Intel Play Computer Sound Morpher Intel Corp. Santa Clara, CA: 888-628-8359 www.intelplay.com





#### rio nuevo

Diamond Multimedia has recently expanded its family of mobile MP3 players with the \$169.99 Rio 600, a dainty little device featuring 32MB of onboard memory that holds up to an hour of CD-quality music. Using a small "backpack" module, you can upgrade the memory via SmartMedia modules to a maximum of 372MB. The unit does not include an FM tuner but does contain a Maverick digital signal processor (DSP) chip, which allows for future upgrades and support of future file formats.

Diamond Rio 600 Diamond Multimedia Systems Santa Clara, CA, 600-468-5846 www.diamondmm.com

#### palm printer

Those who work in professions like health care and law enforcement will love the \$399 Monarch 6015 printer. This little add-on clips to any Palm III handheld device and allows you to print receipts, tickets, prescriptions, and the like in seconds. Weighing less than a pound and operating on four standard AA batteries, the 6015 generates printouts on 2-inch-wide thermal paper at a rate of about an inch a second. You can print text, graphics, and bar codes at 203 dots per inch.

Monarch 6015 Handheld Printer Monarch Marking Systems Miamisburg, OH; 800-543-6650 www.monarch.com

#### talking small

Motorola has just unleashed a trendy two-way pager that targets the young and the chatty. The tiny \$200 Talkabout T900 wireless communicator provides both a QWERTY keyboard for authoring messages and a four-line, 80-character backlit display for reading e-mails, pages, and Web-based content. The clamshell device comes in four colors and offers 13 alert features (including vibrate) and 128K of memory, enough to store up to 250 contacts in the address book. For a hands-on review, go to equip.com.

Motorola Talkabout T900 Boynton Beach, FL: 800-668-6765 www.mot.com

### HOT GEAR

#### sit and shoot

Gamers who want a blow-your-hair-back experience from action-based computer shooters will want to reserve a spot in the \$339.95 BattleChair from Interactive Seating. This defuxe, ergonomically designed gaming chair features two 5.24-inch, threeway speakers and an 8-inch subwoofer built into its back, plus an Eastern Digital Signal Processor four-channel amplifier to deliver bone-crunching surround sound. The armrests are fully adjustable in both horizontal and vertical dimensions, and dual Action Trays allow you to position two joysticks in the perfect spots for fast-twitch blasting.

Interactive Seating BattleChair Interactive Seating Ventura, CA: 805-050-9956 www.battlechair.com

#### music box

If you're big on MP3 audio, consider carrying the \$499 Nomad Jukebox from Creative. Sure, the device-about the size of a portable CD player—is larger than other MP3 players, but it holds an incredible 6GB of data. That's equivalent to about 150 hours of CD-quality music. The Jukebox runs on four NiMH AA batteries for about 3 to 4 hours and features a 5-minute shock-protection buffer for skip-free playback. It has a USB port for linking to a PC for music downloads, an onboard real-time effects processor, and analog line-in and line-out ports.

Creative Nomad Jukebox Creative Technology Miloitas, CA: 800-998-5227 www.creative.com

#### presentations in hand

In the race to shoehorn every kind of electronic appliance into a practically pocketable package, Plus Corp. has taken the lead among multimedia projector vendors with its new U3-1080, an incredibly handy 2.9-pound, 1.9-inch-thin model. Based on Texas Instruments' Digital Light Processing technology, the U3-1080 projects 800 lumens of brightness and XGA resolution, and features a wireless remote control, 10x digital zoom, and a USB-based remote-mouse control. Pricing was not set at press time.

Plus U3-1080 Plus Corp. of America Allendate, NJ; 888-879-7587 www.plus-america.com



#### UNITED E-BUSINESS SERVER

- 700MHZ INTEL PENTIUM III PROCESSOR W/INTEL L440 GX DUAL PROCESSOR SERVER BOARD
- \* 256MB ECC FAST SDRAM MEMORY
- TWO 18GB (7200 RPM) ULTRA-2/LVD SCSI HARD DRIVES
- 40X SCSI CD-ROM DRIVE, 3.5" FLOPPY DRIVE
- · INTEGRATED SCSI DUAL CHANNEL CONTROLLER

ULTRA/WIDE & ULTRA/NARROW

- \*INTEGRATED EtherExpress PRO 10/100 LAN CONTROLLER
- INTEGRATED 2MB SGRAM VIDEO ADAPTER
- · INTEL NEW EMERGENCY MANAGEMENT PORT (EMP)
- INTEGRATED MANAGEMENT CONTROLLER & INTEL SERVER CONTROL
- \* ATX SERVER CHASIS W/ REDUNDANT HOT-SWAP POWER SUPPLIES 300WT
- .5 3.5" HARD DRIVE BAYS, 5 5.25" EXTERNAL BAYS+FLOPPY
- •104 KEY PS/2 KEYBOARD & PS2 MOUSE

INTEL PENTIUM III PROCESSOR 700MHZ ......\$2269 INTEL PENTIUM III PROCESSOR 750MHZ...... \$2299 INTEL PENTIUM III PROCESSOR 800MHZ......\$2369

servers & networks



configurator



pc systems

on-line store

Intel® - Based Desktops; All United® Desktops include a 3,5" 1.44MB Floppy Drive, MS Windows 98 2nd Edition, MS Windows 2000 available, Internet Programmable Keyboard & Scrolling Mouse, New ATX Premier Mid-Tower Case, 3-Year Limited Warranty, Toll-Free Technical Support.

#### UNITED**M1000**

SOMMY INTEL® CILERON® PROCESSOR 64MB PC153MH2 SDRAM 10.668 ULTRA ATA 66 HD 56K V.90 FAX/MODEM W/VOICE ATI XPERT 2000 32MB AGP 56X CD-ROM DRIVE YAMAHA XG-256V PCI SOUND CARD 120WT SPEAKERS Corel Office 2000: WordPerfect 9, 15". 28 SVCA COLOR MONITOR

500MHZ 5769

	DOCUMENT .	
566MHZ\$789	600MHZ\$799	
667MHZ\$869	700MHZ\$889	

#### UNITEDM2000

700 MHZ INTEL® PENTIUM® III PROCESSOR 128MB PC135MHz SDRAM 2008 ULTRA ATA 66, 7200RPM HD MA TOOPIDMU 56K V.90 FAX/MODEM W/VOICE ATI RAGE FURY PRO 32MB AGP 4X TV OUT 12X VARIABLE DVD ROM YAMAHA XG-256V PCI SOUND CARD ALTEC LANSING ACS33 SPEAKERS W/SUBWOOFER Corel Office 2000: WordPerfect 9, OuattraPro 9, Corel Presentation 9, Trellix 2 17'.27 SVGA COLOR MONITOR PnP, 1280X1024

700MHZ 1169

733MHZ\$1199	750MHZ\$1229	
800MHZ\$1259	B66MHZ\$1489	

#### UNITED M3000 733MHZ INTEL® PENTIUM® III PROCESSOR

128MB PC133MHz SDRAM SOCB ULTRA ATA 66, 7200RPM HD (47A-1000PTONAL) 56K V.90 FAX/MODEM W/VOICE SSR VASP FOR ACCELERATOR W/TV+LCD PORT 12X VARIABLE DVD ROM SOUND BLASTER 128 PCI PhP ALTEC LANSING ACS33 SPEAKERS W/SUBWOOFER Corel Office 2000: WordPerfect 9, QuattraPro 9, Corel Presentation 9, Trellix 2 17" .27 SVGA COLOR MONITOR PRP, 1280X1024

733MHZ 1259

750MHZ\$1299	800MHZ\$1329	
866MHZ\$1559	933MHZ\$1759	

#### UNITEDIMI4000

753MHZ INTEL® PENTIUM® II PROCESSOR 128MB PC153MHZ SDRAM 40GB ULTRA ATA 66, 7200RPM HD (ATA 1000PTONAL) SEK V.90 FAX/MODEM W/VOICE NVIDIA GEFORCEZ GTS 32MB 4X AGP 12X VARIABLE DVD ROM SOUND BLASTER LIVE ALTEC LANSING ACS33 SPEAKERS W/SUBWOOFER Corel Office 2000: WordPerfect 9, QuattraPro 9, Corel Presentation 9, Trellix 2 19\* .25 SVGA COLOR MONITOR PriP, 1600X1200

733MHZ 11579

AMDZ

Athlo

	T	
750MHZ,\$1609	800MHZ\$1649	
866MHZ\$1879	933MHZ\$2069	

AMD ATHLON"- Based Desktops: All United Destktops include a 3,5" 1.44MB Floppy Drive, MS Windows 98 2nd Edition, MS Windows 2000 available, Internet Programmable Keyboard & Scrolling Mouse, New ATX Premier Mid-Tower Case, 3-Year Limited Warranty, Toll-Free Technical Support.

#### UNITED MIGOOD

GOOMHZ AMD DURON™ PROCESSOR W/ENHANCED 3D NOW™ TECHNOLOGY & 200MHZ FRONT SIDE BUS 64MB PC133 SDRAM NVIDIA RIVA TNT2 32MB AGP 3D 10.8GB ULTRA ATA 66 HD 56K V.90 FAX/MODEM W/VOICE 56X CD ROM DRIVE 3D WAVETABLE STEREO SOUND 120WT SPEAKERS
Corel Office 2000: WordPerFect 9,
QuattraPro 9, Corel Presentation 9, Trellix 2
18\* 28 SVGA COLOR MONITOR

650MHZ...\$839

600MHZ 1809

#### UNITED MITOOO

700MHZ AMD ATHLION™ K7 PROCESSOR AMD ≥ W/KINANCEID SD NOW™ TECHNOLOGY ATTRICATED STATEMENT SIDE BUS 128MB PC133MHZ SDRAM ATI RACE FURY PRO 32MB AGP 4X TV OUT

2008 ULTRA ATA 66 7200RPM HD VID 100CPTICNAL) 56K V-90 FAX/MODEN W/VOICE 72X VARMALE DVD ROM YAMAHA XC-256V PCI SOUND CARD ALTEC LANSING ACS33 SPEAKERS W/SUBWOOFER

Corel Office 2000: WordPerfect 9, QuattraPro 9, Corel Presentation 9, Trellix 2 17" ,27 SVGA COLOR MONITOR PnP, 1280X1024

750MHZ\$1179	700MHZ 1155 850MHZ\$1339	
800MHZ\$1249		
ODDMN7 \$1449	950MHZ \$1829	

#### UNITED**MISOCO**

700MHZ AMD ATHLON™ K7 PROCESSOR W/ENHANCED 30 NOW™ TECHNOLOGY 8 200MHZ FRONT SIDE BUS AMD Athlo 128MB PC133MHz SDRAM

NIVIDIO DE CONTRE SOURME AND AN ANTICOPTO MAI SOCIETA AND ANTICOPTO MAI SOCIETA AND ANTICOPTO MAI SOCIETA ANTIC ALTEC LANSING ACS33 SPEAKERS W/SUBWOOFER Corel Office 2000: WordPerfect 9, OuattraPro 9, Corel Presentation 9, Trellix 2 17" .27 SVGA COLOR MONITOR PnP, 1280X1024

700MHZ 1239 800MHZ....\$1329 B50MHZ....\$1409 900MHZ ... \$1509 18HZ.....\$1909 950MHZ....\$1699

#### UNITED**MISOCO**

700MHZ AMD ATHLON™ K7 PROCESSOR W/ENHANCED SD NOW™ TECHNOLOGY & 200MHZ PRONT SIDE BUS 128MB PC153MHZ SDRAM SDFX VODDOOS 5500 64MB 4X AGP

400B LITER ATA 56 7200RPM HD I/OR 100 0PTD/WLJ 56K V.90 FAX/MODEM W/VOICE 12X VARHABLE DVD. ROM SOUND BLASTER LIVE ALTEC LANSING ACS33 SPEAKERS W/SUBWOOFER

Corel Office 2000: WordPerfect 9, OuattraPro 9, Corel Presentation 9, Trellix 2 19".26 SVGA COLOR MONITOR Pnp, 1600X1200

800MHZ,\$1569	700MHZ 14/3	
850MHZ\$1649	900MHZ\$1749	
950MHZ\$1929	1GHZ\$2159	

#### UPGRADES

USB DIGITAL VIDED CAMERA.	540
100MB ZIF DRIVE IN IDE	.550
250MB ZIP DRIVE IW IDE	59
LS-120MB SUPERDISK DRIVE	
36-bit COLOR FLATBED SCANNER	
3COM 32-BIT 10/100 NETWORK CARD	
CIDADM REWRITEABLES	
8X4X32,IDE	\$219
10X4X24.IDE	
SOFTWARE	
MIS OFFICE 2000 PROFESSIONAL EDITION	
MS WINDOWS 2000	
LOTUS SMART SUITE MILLENNIUM.	

All Prices Subject to Change Without Notice, RMA Number Required On All Returns. Shipping or optional software not returnable. No returns on custom configurations and special orders. Not responsible for typographical errors. Monitors covered by manufacturer's warranty only an expension of the production for the prographic errors. Monitors covered by manufacturer's warranty only and be in resultable condition. No refunds or credit after 30 days. All products used company names are trademarks or registered trademarks of their respective owners.

#### OUR PREASSEMBLED KITS WILL SAVE YOU TIME AND MONEY!

#### ASUS P5A/GIGABYTE 5AX

AMD K6-2 3D NOW, 100MHZ BUS 1 AGP, 5 PCI, 1 ISA 64MB PC100MHZ SDRAM 1 44 % 5" FLOPPY DRIVE MID TOWER PREMIER CASE, ATX PS/2 ENHANCED KEYBOARD, PS/2 MOUSE

AMD K6-2-3D 500MHz. AMD K6-2-3D 533MHz. AMD K6-2-3D 500MHz.

#### ABIT/ASUS

AMD ATHLON™ K7, MBD KT-133 4X AGP, 6 PCI, 1 ISA ATA66, 4 USB PORTS 64MB PC133 SDRAM 1.44 3,5" FLOPPY DRIVE MID TOWER PREMIER CASE, ATX PS/2 ENHANCED KEYBOARD, PS/2 MOUSE

AMD ATHLON™ K7 700MHZ. AMD ATHLON™ K7 750MHZ. AMD ATHLON™ K7 800MHZ. \$479 \$519

#### TYAN 1854S/ASUS P3V4X

INTEL PENTIUM III 500-933MHz 4X AGP, 6 PCI, 1 ISA ATA 66, 2 USB PORTS 64MB PC133MHZ SDRAM 1,44 3,5" FLOPPY DRIVE MID TOWER PREMIER CASE, ATX PS/2 ENHANCED KEYBOARD, PS/2 MOUSE

INTEL PIII 700MHz. INTEL PIII SOOMHX

### U

 Quality Assured • 3 Years Parts / 5 Years Labor • Lifetime Free Tech Support • 72 Hours Burn-In On Systems . Only Brand Name Components . Over 8 Years of Experience in the Computer Industry • 30 Day Money Back

Tech Support: 1-800-943-7255 International Sales: 440-498-0993 Sales Fax Line: 440-498-7214 5835 Harper Rd, Solon, Ohio 44139 We accept all major Credit Cards

UNITEDMICR® COM

#### HOT GEAR

#### computer compass

The cool thing about Handspring's Visor PDA is its Springboard expansion port, which allows users to drop in all sorts of third-party modules to lend the device added capabilities. One great new module is the \$Z49 (estimated) Geode GPS receiver from GeoDiscovery. With this device, you'll always know where you are, thanks to the Geode's interactive vector maps and support for the highly accurate Wide Area Augmentation System (WAAS). It includes an electronic compass, offers two slots for memory cards of up to 64MB (for storing map data and destination content), and integrates with the Palm OS's mini-applications.

#### GeoDiscovery Geode

GeoDiscovery Orem. UT: 888-206-6444 www.geodiscovery.com

#### a meticulous mouse

If your preferred gaming weapon is a mouse, you'll want to get your hands on the \$69.99 Razer Mamba 1000, an ultraprecise device that samples movement at thousands of dots per inch. It employs cutting-edge light-beam technology designed by Razer's parent company, Karna. The sleek-looking Mamba is fully customizable. It even features on-the-fly sensitivity adjustments, allowing gamers to change the mouse's parameters right in the middle of a game.

#### Razer Mamba 1000

Razer (a Kārna Co.) San Francisco, CA; 877-729-3796 www.razerzone.com

#### holding all gadgets

Ever feel like you just don't have enough pockets for your cell phone, pager, and handheld? Tom Traeger, designer of the e-Holster, did—before he took matters into his own hands. Working with firearms-concealment experts, Traeger came up with a shoulder-style holster that can be customized with additional pouches for holding whatever handheld devices you might carry. A \$119 leather version holds your cell phone and handheld PC; other versions in leather and ballistic nylon are available. Think of it as a sort of full metal jacket of technology. Very macho.

#### PEC e-Holster

Personal Electronics Concealment St. Augustine, FL: 888-425-1034 www.eholster.com







#### DELL" DIMENSION" L

Affordable Desktop

- Intel\* Pentium\* III Processor at 667MHz
- 32MB SDRAM
- 3-Year Limited Warranty² and more...

STARTING AT

BUSINESS LEASE: \$27/MO., 36 MOS.

See Inside for More Details

800.545.7141

WWW.DELL.COM



## ENTER.

[YOUR SMALL BUSINESS NEEDS COMPUTERS. DELL E COM GETS THEM TO YOU. FAST.]

In just a few days, your business could be up and running with Dell." Start by customizing and ordering your systems online. You'll have the latest technology to choose from – like desktops with Intel® Pentium® III processors and RDRAM, and workstations with 4X AGP graphics, dual processor capability, RDRAM, multi-monitor solutions, and a wide range of software apps. Then use Dell to help maintain your systems with services like FileLibrary® to help you keep up with technology and software upgrades, and OpenManage™ on your Dell™ OptiPlex™ and Precision™ workstation systems to provide you with utilities to manage Dell hardware, allowing you to troubleshoot and help prevent system downtime. Get up. Stay up. Dell E Com.



Dell™ Precision™ Workstation



Dell™ Dimension™ Desktop



Dell™ OptiPlex™ Desktop



#### DELL" DESKTOPS & WORKSTATIONS:

#### DELL" DIMENSION L

#### Affordable Desktop

- Intel® Celeron® Processor at 500MHz
- 32MB SDRAM (up to 512MB)
- 7.5GB¹ Ultra ATA HD (up to 20GB¹)
- 15" (13.8" vis) E550 Monitor
- Intel® 3D® AGP Graphics; 48X Max CD-ROM
- SB 64V Integrated Sound
- Intel® 10/100 Ethernet Controller
- MS\* Windows\* 98 & MS\* Works Suite 2000 and Norton® AntiVirus™ 2000
- 3-Yr Ltd. Warranty<sup>1</sup>; 1-Yr NBD On-site Service<sup>1</sup>

\$699 @ E-VALUE CODE 05835-590706



HUSINESS LEASE: \$23/MO., 36 MOS.

#### DELL" DIMENSION L

#### Affordable Desktop

- Intel® Pentium® III Processor at 667MHz
- 32MB SDRAM (up to 512MB)
- 7.5GB<sup>6</sup> Ultra ATA HD (up to 20GB<sup>6</sup>)
- 15" (13.8" vis) E550 Monitor
- Intel® 3D® AGP Graphics; 48X Max CD-ROM
- SB 64V Integrated Sound
- Intel® 10/100 Ethernet Controller
- MS\* Windows\* 98 & MS\* Works Suite 2000 and Norton\* AntiVirus\* 2000
- 3-Yr Ltd. Warranty'; 1-Yr NBD On-site Service'



99 @ E-VALUE CODE 05835-590707

BUSINESS LEASE: \$27/MO., 36 MOS.

#### DELL" DIMENSION XPS T

#### Affordable Desktop Pentium\* III Processor Performance

- Intel® Pentium® III Processor at 700MHz
- . 64MB SDRAM (up to 768MB)
- . 20GB\* Ultra ATA HD (up to 40GB\*)
- 17" (16.0" vis) M781 Monitor
- 16MB ATI Graphics Card; 48X Max CD-ROM
- SoundBlaster 64V Sound Card and harman/kardon Speakers
- 3Com® 3C905C-TXM 10/100 NIC
- MS® Windows® 98 & Office 2000 Small Business
- 3-Yr Ltd. Warranty\*; 1-Yr NBD On-site Service\*

\$1299 @ E-VALUE CODE 05835-5907126

BUSINESS LEASE SAMMO., 36 MOS."

100MB Zip Drive, add \$79

#### DELL OPTIPLEX GXIIO

#### Network-Optimized Managed PC

- Intel® Pentium® III Processor at 667MHz
- 64MB SDRAM (up to 512MB)
- 7.5GE SMART II Ultra ATA HD (up to 30GB)
- 15" (13.8" vis) E550 Monitor (up to Flat Panel)
- Intel® 3D® AGP Graphics
- Integrated 3Com\* 10/100 NIC
- NEW Microsoft® Windows® 2000 Professional
- OptiFrame' Small Form Factor Tool-less Chassis
- 3-Yr NBD On-site Service\*

\$999 @ E-VALUE CODE 05835-380708



BUSINESS LEASE: \$95/MO., 36 MOS.

#### DELL OPTIPLEX GX200

#### NEW-Network-Optimized Managed PC

- Intel® Pentium® III Processor at 733MHz
- 128MB RDRAM (up to 512MB)
- 10GB' SMART II Ultra ATA HD (up to 30GB')
- 15" (13.8" vis) E550 Monitor (up to Flat Panel)
- Integrated 8MB 4X AGP Graphics
- 24X Max Slimline CD-ROM
- Integrated 3Com® 10/100 NIC and AC97 Audio
- NEW Microsoft® Windows® 2000 Professional
- OptiFrame™ Small Form Factor Tool-less Chassis
- 3-Yr NBD On-site Service



1499 @ 6-VALUE CODE 05835-390714

BUSINESS LEASE: \$62/MO. 36 MOS

#### DELL PRECISION 220

#### Advanced Performance Workstation

- Intel® Pentium® III Processor at 733MHz (up to 933MHz)
- Dual Processor/RAID Capable
- 64MB RDRAM (up to 512MB)
- 20.4GB<sup>6</sup> 7200 RPM EIDE HD (up to 36GB° 10K U160/M SCSI)
- 17" (16.0" vis) M781 Monitor
- 32MB 4X AGP NVIDIA TNT2 M64 Graphics Card
- Integrated NIC & Sound; 48X Max CD-ROM
- NEW Microsoft" Windows 2000 Professional ■ 3-Yr NBD On-site Service\*
- 7x24 Dedicated Workstation
- Phone Tech Support



99 @ E-VALUE CODE 05835-490717

BUSINESS LEASE \$63/MO., 36 MOS!



USE THE POWER OF THE latest Technology with and latest prices. Enter the E-VALUE code online or give it to your sales rep over the phone. www.dell.com/evalue



GET EXACTLY WHAT YOUR BUSINESS IS LOOKING FOR.

800.545.7141

WWW.DELL.COM

Dell recommends Windows 2000 Professional for business. Call: M-F 7a-9p | Set 10a-6p | Sun 12p-5p CT | Canada: 800-232-6206 | Mexico: 001-877-269-3379 | GSA Contract #GS-35F-4076D

## EXPAND.

[YOUR EMPLOYEES ARE ALL OVER THE PLACE. HERE'S AN ELECTRIC LEASH.]

Let your employees roam at will - we'll keep them networked to home base and your equipment covered. Our servers are built with the latest Intel® Pentium® processor technology and are RAID capable for optimal uptime. Dell™ OpenManage™ Resolution Assistant helps identify and fix network problems before they happen. Optional CompleteCare™ Service® for notebooks covers accidental damage like drops and spills - for 3 entire years. And you always have access to our award-winning e-support. (Of course you can work at home!)



Dell™ Latitude™ Notebook



Dell™ PowerEdge™ Server



Dell™ PowerEdge™ Server

#### DELL™ NOTEBOOKS & SERVERS:

#### DELL" LATITUDE" CPI

#### Network-Optimized Notebook

- Intel® Celeron™ Processor at 500MHz
- 12.1" SVGA Active Matrix Display
- 32MB SDRAM; 4.8GB° Ultra ATA HD
- Modular 24X Max CD-ROM/Floppy Drive
- Microsoft\* Windows\* 98, Second Edition
- Li-Ion Battery w/ExpressCharge'
- Dual Pointing Touchpad and Pointing Stick
- Internal 56K Capable® SoftModem
- 1-Yr NBD On-site Service

#### \$1499 @ E-VALUE CODE 05836-790714

BUSINESS LEASE: \$52/MO., 36 MOS.

 Upgrade to 14.1" Active Matrix Display, add \$250

#### DELL" POWEREDGE" 1300

#### Affordable Entry Level Server

- Intel® Pentium® III Processor at 600MHz (up to 800MHz)
- Dual Processor/RAID Capable
- 64MB 100MHz ECC SDRAM (up to 1GB)
- 9GB<sup>a</sup> 7200 RPM Ultra-2/LVD SCSI HD (up to 36GB<sup>a</sup>)
- 108GB Internal Storage Capacity
- NIC & Integrated SCSI Controllers; 40X Max CD-ROM
- Dell" OpenManage" Server Management Solutions
- 3-Yr NBD On-site Service1; 7x24 Phone Support

599 @ E-VALUE CODE 05836-290715

BUSINESS LEASE: \$56/MO. 36 MOS.

- Small Business Upgrade Bundle, add \$1877
- Second Intel® Pentium® III Processor at 600MHz, add \$449

#### DELL" INSPIRON" 3800

#### Design and Affordability Notebook

- Intel® Celeron® Processor at 500MHz
- 12.1" SVGA Active Matrix Display
- 32MB SDRAM; 4.8GB<sup>s</sup> Ultra ATA HD
- Modular 24X Max Variable CD-ROM
- 2X AGP 8MB ATI RAGE Mobility\*\*-P 3D\* Video ■ NEW Microsoft® Works Suite 2000
- Microsoft\* Windows\* 98, Second Edition
- 1-Yr NBD On-site Service

\$1399 @ E-VALUE CODE 05836-890713

BUSINESS LEASE: \$47/MO., 36 MOS. . 3-Yr NBD On-site Service<sup>3</sup>, add \$149

#### DELL" POWEREDGE" 2400

#### Workgroup Server

- Intel® Pentium® III Processor at 667MHz (up to 866MHz)
- Dual Processor Capable
- 64MB 133MHz ECC SDRAM (up to 2GB)
- 9GB<sup>5</sup> 7200 RPM Ultra-2/LVD SCSI HD (up to 36GB<sup>5</sup>)
- Up to 288GB Hot-swappable Internal Storage Capacity
- Embedded Single-channel RAID with 64MB Cache
- Integrated NIC/SCSI Controllers; 40X Max CD-ROM
- Dell "OpenManage" Server Management Solutions
- 3-Yr NBD On-site Service1; 7x24 Phone Support



BUSINESS LEASE: \$98/MO., 36 MOS." ■ Red Hat\* Linux\*\* 6.2, add \$149

#### DELL" INSPIRON" 5000

#### Performance and Mobility Notebook

- Intel® Celeron™ Processor at 500MHz
- 15" XGA Active Matrix Display
- 32MB SDRAM; 6.0GB\* Ultra ATA HD
- Modular 24X Max Variable CD-ROM/ Floppy Drive
- 2X AGP 4MB ATI RAGE Mobility\*-P 3D\* Video
- . 52WHr Lithium Ion Battery
- Microsoft® Office 2000 Small Business
- Microsoft® Windows® 98, Second Edition
- 3-Yr NBD On-site Service

\$1979 @ E-VALUE CODE 05836-890719

BUSINESS LEASE: \$66/MO., 36 MOS."

■ Upgrade to CompleteCare™ Service™, add \$169

#### DELL" POWEREDGE" 2450

#### Ultra-Slim (2U) Rack Optimized Server

- Intel® Pentium® III Processor at 667MHz (up to 866MHz)
- Dual Processor Capable
- 128MB 133MHz ECC SDRAM (up to 2GB)
- 9GB3 10K RPM Ultra3 SCSI HD (up to 36GB3)
- Up to 180GB Hot-swappable Internal Storage Capacity
- Integrated NIC/SCSI Controllers; 24X Max CD-ROM
- Dell" OpenManage" Server Management Solutions
- 3-Yr NBD On-site Service\*; 7x24 Phone Support

E-VALUE CODE 3579 © 6-VALUE COL BUSINESS LEASE: \$125/MO., 36 MOS.

- Single-channel RAID with 64MB Cache, add \$299
- NEW Microsoft\* Windows\* 2000<sup>to</sup> Server, add \$799



Dell recommends Windows 2000 Professional for business.

Phone Hours: M-F 7n-9p \* Sat 10a-6p \* Sun 12p-5p CT . In Canada, call 800-232-6306 In Mexico, call 001-877-269-3379 + GSA Contract #GS-35F-4076D

Prices, specifications, and availability may change without notice. Taxes and shipping charges extra, and vary. Carnot be combined with other offers or discounts U.S. only. For a copy of our Guarantees or Limited Warranties, write Dell USA L.P., Attn. Warranties, One Dell Way, Round Rock, Taxas 78882. Service may be provided by third party. Availability varies Technicien will be dispatched, if necessiry, following phone-based troubleshooting, 'For hard drives, GB means 1 Lillion byles, accessible capacity varies with operating environment. "Download speeds imited to 53Kbps. Upload speeds are less (about 30Kbps) and vary by modern manufacturer and online conditions. Analog phone line and compatible server required. "Business leasing arranged by Dall. Financial Services L.P., an independent entity, to qualified customers. Lease payments based on 36-mornh 10% purchase option lease and do not include taxes, less and shipping charges. Subject to credit approval and availability. Lease terms and pricing subject to change without notice. \*CompleteCare service excludes theft, loss, and damage due to line or intentional damage. CompleteCare is currently not available in all states. See terms and conditions in the service agreement. "Minumum purchase of 2000 names. "For 4X6 pands with single-sided printing only. Two-sided printing is extra. One order per customer. Intel, the Intel Inside logo, and Pentium are registered trademarks and Intel SpeedStep, Pentium III Xeon and Celeron are trademarks of Intel Corporation, MS, Microsoft, BackOffice, IntelliMouse, Windows NT, and Windows are registered trademarks of Microsoft Corporation 3Com is a registered tredemark and Fast EtherLink is a trademark of 3Com Corporation HP and DeskJet are registered trademarks and OpenView is a trademark of Hewlett-Packard Corporation. Tonitron is a registered trademark of Sony Corporation. iD 2000 Dell Computer Corporation, All rights reserved.



USE THE POWER OF THE latest technology with our latest prices. Enter the E-VALUE code online or give VALUE | It to your sales rep over the phone, www.dell.com/evalue



GET EXACTLY WHAT YOUR BUSINESS IS LOOKING FOR.

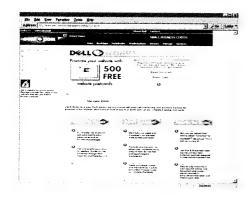
800.545.7141

WWW.DELL.COM

## EXPLODE.

[LET US HELP YOUR BUSINESS CATCH FIRE ON THE WEB.]

Population of your town: 534,000. Population of World Wide Web: estimated at 300,000,000 (and counting). Maybe you should move your business online. Our hosting packages are not only an incredible deal, but they're supported by Dell™ PowerEdge™ servers and PowerApp™ server appliances featuring Intel® Pentium® III processors. (And we know about the importance of network uptime.) DellEWorks.com™ offers everything from basic hosting to full-blown e-commerce solutions on dedicated servers. Plus we have a whole slew of tools to help you build, maintain, and promote your site. With DellEWorks.com, you'll get your business burning on the Web in no time. (Is it hot in here?)





#### I. GET STARTED

- First year domain name registration at no additional charge for every DellHost™ account maintained for one year
- Build your site with TrellixWeb™ Dell™ Edition Software no HTML experience necessary - no additional charge
- Or hire Dell™ Web Design Services to custom-design your Website for only \$99

#### 2. HOST YOUR SITE WITH AN E-COMMERCE LEADER

- Get your Website on the Internet for as little as \$17.95 a month
- Choose from shared and dedicated hosting packages

#### SHARED WEBHOSTING SOLUTION

#### DellHost™ S-1100

- 100MB Storage Capacity
- 5GB<sup>6</sup> Monthly Data Transfer
- 10 POP3 E-mail Accounts
- Domain Name Registration (\$25/year)
- TrellixWeb™ Dell™ Edition Website Design Tool
- Site Performance and Traffic Reporting
- 99.9% Uptime Guarantee<sup>37</sup>
- Phone, E-mail and Website Technical Support
- 30-day Money-back Guarantee
- Add eCommerce Shopping Cart \$12/month plus Setup and Transaction Fees
- Registration Fees Extra

\$17.95/mo.

PLUS \$20 ONE-TIME SETUP FEE

#### E-COMMERCE WEBHOSTING SOLUTION

#### DellHost™ E-2100

- 100MB Storage Capacity
- 5GB<sup>s</sup> Monthly Data Transfer
- 10 POP3 E-mail Accounts
- Mercantec® SoftCart for up to 50 Products
- TrellixWeb™ Dell™ Edition Website Design Tool
- 24-Hour FTP Access
- Real Audio/Real Video G2 (5 Streams)
- Site Performance and Traffic Reporting
- 99.9% Uptime Guarantee
- Phone, E-mail and Website Technical Support
- Unlimited E-mail Forwarding/Auto-Responders
- Registration Fees Extra

29.95/mo.

PLUS \$50 ONE-TIME SETUP FEE + TRANS. FEES

#### DEDICATED WEBHOSTING SOLUTION

#### DellHost™ D-2950

- Dell™ PowerApp.web™ 100 Server Appliance
- Intel® Pentium® III Processor at 600MHz
- 64MB RAM
- 1 X 9GB5; 7.2K SCSI Hard Drive
- 2 X 10/100 Embedded NIC
- Red Hat\* Linux™ 6.2 OS
- Dedicated 21GB<sup>5</sup> Monthly Transfer (Metered)
- 99.9% Site Uptime Guarantee
- 7x24 Tech Support
- Optional Weekly Back-up Services \$75/month, plus \$150 One-time Setup Fee
- Registration Fees Extra

249/mo.

PLUS \$350 ONE-TIME SETUP FEE

#### 3. PROMOTE YOUR SITE

- Get 500 FREE postcards announcing your Website by registering with DellEWorks.com™ - valid through 8/31/0038 (shipping & postage charges apply)
- Send a press release starting at \$75
- List your e-business on 250 Internet search engines for \$90/year
- Launch a direct E-mail campaign prospect lists starting at 20¢/name³8
- FREE Dun & Bradstreet credit report a \$47 value. Offer expires 7/31/00 limit one per customer



GET EXACTLY WHAT YOUR BUSINESS IS LOOKING FOR.

800.933.3355

WWW.DELLEWORKS.COM

GSA Contract #GS-35F-4076D

# Since 1998, Axis Systems has won Over 60 Awards, including



3 Times CBG&H Best Buy 30 Times PC World Top 10

and the prestigious



PC World Best Buy and PC Magazine Editors Choice

As one of only 6 PC Companies to win the award since 1998, among Compaq, Dell, Gateway, HP, and Micron.





Let Us Build An Award-Winning System For You.

#### AXISTERRAAXV

- AMD Athlon™ Processor 800MHz

- w/ Enhanced 3DNowl Technology 128MB 133MHz SDRAM 15.0GB Ultra ATA/66 Hard Drive, 7200RPM 200MHz Front Side Bus, 256k On-Die High
- Speed L2 Cache

  1.44MB 3.5" Roppy Drive

  Nvidia TNT-2 M64 32MB AGP 3D Graphics Accelerator • 52X Max CD-ROM Drive
- PCI 3D Wavefable AudioSound Card
- Creative Labs SBS35 Speakers
   56K V90 PCI Voice/Fax/Data Modern
- Microsoft Windows 98, 2nd Edition
- 104 Keyboard, Microsoft Intellimouse
- 3 Year Parts & Labor Warranty
- Year On-Site Service, Lifetime Toll Free
- 24/7 Tech Support

Athlon Processor 700MHz S899 Athlon Processor 750MHz S929 Athlon Processor 850MHz S1069 Athlon Processor 900MHz S1169 Athlon Processor 950MHz S1369 Athlon Processor 1GHz S1569

#### AXISTERRAAXC

- · AMD Athlon™ Processor 1GHZ
- w/ Enhanced 3DNow! Technology 128MB 133MHz SDRAM 15.0GB Ultra ATA/66 Hard Drive, 7200RPM

- 10X DVO-ROM Drive
- 200MHz Front Side Bus, 256K On-Die High-Speed L2 Coche
  1.44MB 3.5" Roppy Drive
  Nvidia TNT-2 M64 32MB AGP 3D Graphics

- Accelerator
- Creative Labs Sound Blaster Livel Value 3D
- Wavetable Sound Card
- Creative Labs CambridgeSoundWorks
- CSW100 Speakers w/Subwoofer 56K V.90 PCI Voice/Fax/Data Modern
- Microsoft Windows 98, 2nd Edition
- 104 Keyboard, Microsoft Intellimouse
- 3 Year Parts & Labor Warranty
- 1 Year On-Site Service, Lifetime Toll Free 24/7 Tech Support

## \$17**5**9

Athlon Processor 700MHz \$1089 Athlon Processor 750MHz \$1119 Athlon Processor 800MHz \$1189 Athlon Processor 850MHz \$1259 Athlon Processor 900MHz \$1359 Athlon Processor 950MHz \$1559

#### AXISORIONCXE

- Intel® Pentium® IIIEB Processor 667MH2

  128MB 133MHz SDRAM

  15.0GB Ultra ATA/66 Hard Drive, 7200RPM

  10X DVD-ROM Drive

  256W Co.Dis Mich Spend 12 Cooks

  256W Co.Dis Mich Spend 12 Cooks

  256W Co.Dis Mich Spend 12 Cooks

- 256K On-Die High-Speed L2 Cache
- 1.44MB 3.5" Floppy Drive
   Nvidia TNT-2 M64 32MB AGP 3D Graphics
- Creative Labs Sound Blaster Livel Value 3D Wavetable Sound Card
- Creative Labs CambridgeSoundWorks
- CSW100 Speakers w/Subwoofer 56K V90 PCI Voice/Fax/Data Modem
- Microsoft Windows 98, 2nd Edition 104 Keyboard, Microsoft Intellimouse
- \* 3 Year Parts & Labor Warranty
- 1 Year On-Site Service, Lifetime Toll Free 24/7 Tech Support

Pentium III Processor 600MHz \$1059 Pentium III Processor 733MHz \$1159 Pentium III Processor 800MHz \$1299 Pentium III Processor 866MHz \$1499

#### AXISORIONCXP

- Intel® Pentium® IIIEB Processor **800MHz**256MB 133MHz SDRAM
  30.06B Ultra ATA/66 Hard Drive, 7200RPM
  10K DVD-ROM Drive

- 256K On-Die High-Speed L2 Cache .44MB 3.5" Floppy Drive
- Nvidia GeForce 32MB AGP Graphics
- Accelerator w/TV-Out Creative Labs Sound Blaster Livel Value 3D
- Wavefable Sound Card
  Creative Labs Cambridge SoundWorks
- FPS1000 4-Piece Speakers w/Subwooler
- 56K V.90 PCI Voice/Fax/Data Modem
   Microsoft Windows 98, 2nd Edition
- 104 Keyboard, Microsoff Intellimouse
- 3 Year Parts & Labor Warranty
   1 Year On-Site Service, Lifetime Toll Free

24/7 Tech Support

**\$1699** 

Pentium III Processor 600MHz \$1459 Pentium III Processor 667MHz \$1499 Pentium III Processor 733MHz \$1559 Pentium III Processor 866MHz \$1899

Call Toll-Free 1-800-378-9

Customize your WWW. AXISSVS.CO system at

#### AXISORION(XI

- Intel® Pentium® IIIEB Processor 600MHz
- 128ME 133MHz SDRAM 15.0GB Ultra ATA/66 Hard Drive, 7200RPM
- 256K On-Die High-Speed L2 L44MB 3.5" Floody Drive
- Nvidia TNT-2 Vanta 16MB AGP 3D
- Graphics Accelerator
- 52X Max CD-ROM Drive
- PCI 3D Wavetable Audio Sound Card Creative Labs SBS35 Speckers 56K V.90 PCI Voice/Fax/Data Modem
- Microsoft Windows 98, 2nd Edition
- 104 Keyboard, Microsoft Intellimouse
- 3 Year Parts & Labor Warranty
- Year On-Site Service, Lifetime Toll Free 24/7 Tech Support

## **\$899**

Pentium III Processor	667MHz \$939
Pentium III Processor	733MHz \$999
Pentium III Processor	800MHz \$1139
Pentium III Processor	866MHz \$1339

#### AXISTERRAAXM

- AMD Athlon™ Processor 750MHz w/ Enhanced 3DNow! Technology
- 128MB 133MHz SDRAM 15.0GB Ultra ATA/66 Hard Drive, 7200RPM
- 10X DVD-ROM Drive
- 200MHz Front Side Bus, 256K On-Die High-
- Speed L2 Cache

  1.44MB 3.5" Floopy Drive

  ATI Rage Fury Pro 32MB AGP 3D Graphics Accelerator w/TV-Out
- Creative Labs Sound Blaster Livel Value 30 Wavetable Sound Card
- afive Labs CambridgeSoundWorks CSW100 Speakers w/Subwoofer
- 56K V.90 PCI Voice/Fax/Data Modern
- Microsoft Windows 98, 2nd Edition
- 104 Keyboard, Microsoft Intellimouse
- 3 Year Parts & Labor Warranty
- 1 Year On-Site Service, Lifetime Toll Free 24/7 Tech Support

## **\$1159**

		700MHz \$1129
Athlon	Processor	800MHz S1229
Athlon	Processor	850MHz \$1299
		900MHz \$1399
		950MHz \$1599
		1GHz \$1799

#### AXISTERRAAXI

- AMD Athlon™ Processor 950MHz
- 256MB 133MHz SDRAM 30,0GB Ultra ATA/66 Hard Drive, 7200RPM
- 10X DVD-ROM Drive
- 200MHz Front Side Bus, 256K On-Die High-
- Speed L2 Cache 1,44MB 3,5" Roppy Drive Nvidia GeForce 32MB AGP Graphics
- Accelerator w/TV-Out Creative Labs Sound Blaster Live! Value 3D
- Wavetable Sound Card
   Creative Labs CambridgeSoundWorks FPS1000 4-Piece Speakers w/Subwoofer
- 56K V.90 PCI Voice/Fax/Data Modem. . Microsoft Windows 98, 2nd Edition
- 104 Keyboard, Microsoft Intellimouse
   3 Year Parts & Labor Warranty
- 1 Year On-Site Service, Lifetime Toll Free 24/7 Tech Support

### s1859

Athlon Processor 700MHz \$1389	
Athlon Processor 750MHz S1419	
Athlon Processor 800MHz \$1489	
Athlon Processor 850MHz \$1559	
Athlon Processor 900MHz \$1659	
Athlon Processor 1GHz \$2059	

#### AXISORION(XV

- Intel® Pentium® IIIEB Processor 733MHZ
- 128MB 133MHz SDRAM 20.5GB Ultra ATA/66 Hard Drive, 7200RPM
- OX DVD-ROM Drive
- Die High-Speed L2 Cache
- .44MB 3.5" Floppy Drive
- ATI Rage Fury Pro 32MB AGP 3D Graphics Accelerator w/TV-Out
- Creative Labs Sound Blaster Live! Value 3D Wavetable Sound Card
- Creative Labs CambridgeSoundWorks
- CSW100 Speakers w/Subwoofer
- 56K V90 PCI Voice/Fax/Data Modem
   Microsoft Windows 98, 2nd Edition
- 104 Keyboard, Microsoft Intellimouse • 3 Year Parts & Labor Warranty
- · 1 Year On-Site Service, Lifetime Toll Free 24/7 Tech Support

## \$1259

Pentium III	Processor 600MHz \$1159	
Pentium III	Processor 667MHz \$1199	
Pentium III	Processor 800MHz \$1399	
Pentium III	Processor RAAMHy \$1599	

#### AXISTERRAAXG

- AMD Athlon™ Processor 800MHz
- v/ Enhanced 3DNow! Technology
- 128MB 133MHz SDRAM 20.5GB Ultra ATA/66 Hard Drive, 7200RPM 10X DVD-ROM Drive
- 200MHz Front Side Bus, 256K On-Die High-Speed L2 Cache
- 1.44MB 3.5" Floppy Drive
- Nvidia GeForce 32MB AGP 3D Graphics Accelerator w/TV-Out
- Creative Labs Sound Blaster Live! Value 3D Wavetable Sound Card
- Creative Labs CambridgeSoundWorks FPS1000 4-Piece Speakers w/Subwoofer
- 56K V:90 PCI Voice/Fax/Data Modern
- \* Microsoft Windows 98, 2nd Edition
- 104 Keyboard, Microsoft Intellimouse
- \* 3 Year Parts & Labor Warranty 1 Year On-Site Service, Lifetime Toll Free 24/7 Tech Support

## **\$1399**

Athlon	Processor	700MHz \$1299	
		750MHz \$1329	
		850MHz \$1469	
		900MHz \$1569	
		950MHz S1769	
Athlon	Processor	1GHz S1969	

#### AXISTERRAAXR

#### AMD Athlon™ Processor 1GHZ

- w/ Enhanced 3DNawl Technology 256MB 133MHz SDRAM 40.0GB Ultra ATA/66 Hard Drive, 7200RPM 16X DVD-ROM Drive
- 200MHz Front Side Bus. 256K On-Die High-
- Speed L2 Cache
- 1.44MB 3.5" Floppy Drive
   Nvidia GeForce2 GTS 32MB DDR AGP 3D
- **Graphics Accelerator** Creative Labs Sound Blaster Live! Value 3D Wavetable Sound Card
- tive Labs CambridgeSoundWorks
- FPS1000 4-Piece Speakers w/Subwoofer 56K V/90 PCI Voice/Fax/Data Modern
- Microsoft Windows 98, 2nd Edition
   104 Keyboard, Microsoft Intellimouse
- 3 Year Parts & Labor Warranty
   1 Year On-Site Service, Lifetime Toll Free
- 24/7 Tech Support

## s2100

Athlon	Processor	700MHz	\$1529
	Processor		
Athlon	Processor	950MHz	51999

#### AXIS**ORION**(XM

- Intel® Pentium® IIIEB Processor 733MHz
- 256MB 133MHz SDRAM 20.5GB Ultra ATA/66 Hai Ultra ATA/66 Hard Drive, 7200RPM
- OX DVD-ROM Drive
- On-Die High-Speed L2 Cache .44MB 3.5" Floppy Driv
- Matrox Millennium G400 32MB AGP 3D Graphics Accelerator w/DualHead Monitor/TV-Out
- Creative Labs Sound Blaster Live! Value 3D Wavetable Sound Card
- Creative Labs CambridgeSoundWorks
- CSW100 Speakers w/Subwoofer
- 56K V.90 PCI Voice/Fax/Data Modern
- Microsoft Windows 98, 2nd Edition
   104 Keyboard, Microsoft Intellimouse
- 3 Year Parts & Labor Warranty
- Year On-Site Service, Lifetime Toll Free 24/7 Tech Support

## **\$1399**

		W. W.	ACCUPANT OF THE PARTY OF THE PA	
Pentium	III	Processor	600MHz	\$1299
Pentium	III	Processor	667MHz	\$1339
Pentium	III	Processor	800MHz	\$1539
Pentium	III	Processor	866MHz	\$1739

#### AXIS**TERRA**AXP

- . AMD Athlon™ Processor 900MHz

- 256MB 133MHz SDRAM
   20.5GB Ultra ATA/66 Hard Drive, 7200RPM . 10X DVD-ROM Drive
- 200MHz Front Side Bus, 266K On-Die High Speed L2 Cache
- 44MB 3.5" Floppy Drive
- Matrox Millennium G400 32MB AGP 3D Graphics Accelerator w/DuelHead Monitor/TV-Out
- Creative Labs Sound Blaster Live! Value 3D Wavetable Sound Card
- ative Labs CambridgeSoundWorks
- FPS1000 4-Piece Speakers w/Subwoofer 56K V.90 PCI Voice/Fax/Data Modern
- Microsoft Windows 98, 2nd Edition
- 104 Keyboard, Microsoft Intellimouse + 3 Year Parts & Labor Warranty
- Year On-Site Service, Lifetime Toll Free

# \$1599

Athlon Processor 700MHz \$1329 Athlon Processor 750MHz \$1359 Athlon Processor 800MHz \$1429 Athlon Processor 850MHz \$1499 Athlon Processor 950MHz \$1799 Athlon Processor 1GHz S1999

## AXISTERRAAXTV-Pro

- AMD Alhlon™ Processor 800MHz
- w/ Enhanced 3DNowl Technology 256MB 133MHz SDRAM 30.0GB Ultra ATA/66 Hard Drive, 7200RPM 10X DVD-ROM Drive
- 200MHz Front Side Bus, 256K On-Die High-Speed L2 Cache
- 1.44MB 3.5" Floopy Drive
   ATI All-In-Wonder 128 32MB AGP 3D Graphics Accelerator w/TV-Out and
- TV-Tuner/Video Capture Creative Labs Sound Blaster Live! Value 3D
- Wavetable Sound Card Creative Labs CambridgeSoundWorks FPS 1000 4-Piace Speakers w/Subwoofer • 56K V/90 PCI Voice/Fax/Data Modern
- Microsoft Windows 98, 2nd Edition
- 104 Keyboard, Microsoft Intellimouse
   3 Year Parts & Labor Warranty + 1 Year On-Site Service, Lifetime Toll Free

y
9
9
9
9
-

#### AXISORIONCXA

- Intel® Pentium® IIIEB Processor **866NHz 256MB** 133MHz SDRAM **40.0GB** Ultra ATA/66 Hard Drive, 7200RPM
- 16X DVD-ROM Drive
- 256K On-Die High-Speed L2 Cache
- 1.44MB 3.5" Floppy Drive
   Nvidia GeForce2 GTS 32MB DDR AGP 3D **Graphics Accelerator**
- Creative Labs Sound Blaster Live! Value 3D Wavetable Sound Card
- Creative Labs Cambridge SoundWorks FPS1000 4-Piece Speakers w/Subwoofer
   56K V90 PCI Voice/Fax/Data Modern
- Microsoff Windows 98, 2nd Edition
- 104 Keyboard, Microsoft Intellimouse
   3 Year Parts & Labor Warranty
- Year On-Site Service, Lifetime Toll Free 24/7 Tech Support

## \$1**99**9

Pentium III Processor 600MHz \$1559 Pentium III Processor 667MHz \$1599 Pentium III Processor 733MHz \$1659 Pentium III Processor 800MHz \$1799



#### **Monitor Options**

Add a 15" (13.8vis) .28 Monitor, \$139 Add a 17" (16.0vis) .27 Monitor, \$179 Add a 17" (16.0vis) .26 Monitor, \$219 Add a 19" (18.0vis) .26 Monitor, \$289 Add a 15" LCD Flat Panel, \$999

#### Upgrade Options

Add an Iomega 100MB Zip Drive, \$79 Add a CD-Rewritable Drive, \$199 Add a 3Com 100Mbit Network Adapter, \$69 Upgrade from 64MB to 128MB, \$69 Upgrade from 128MB to 256MB, \$139

Software & Accessories Call for Optional Software Bundles and



### call Toll-Free 1-800-378-9014 Customize your system at www.axissvs.com

Business Hours: Sales: Mon-Fri, 6am-8pm PST, Sat, 7am-5pm PST, Sun, 9am-5pm Support: 24Hours/7 Days

1134 N. Gilbert Street Anaheim, CA 92801

©2000 Axis Systems Inc. Pictures may differ from actual products. Prices and specifications are subject change without notice. All trailemarks & logos are registered to their respective owners. Not responsible for any typographical errors.



#### **ABS Performance 3**

A powerful, affordable system for mainstream users

The \$1,299 price of the Performance 3 connotes value, but the inclusion of a GeForce 256-based graphics card makes it clear this is not your typical budget system. Other standout features of this 667MHz Pentium III desktop include a 20.568 hard drive, a three-piece Altec Lansing ACS45.2 speaker system, and a Microsoft Internet Keyboard. A Performance that's well-worth the price of admission. (See feature on p. 154.)

ABS Computer Technologies \* www.buyabs.com \* 800-875-8088

#### New products representing the best value, performance, and technology we've seen.

#### MOBILE

#### micronpc.com TransPort ZX Fast, light, and affordable

This lean and mean 700MHz Pentium III speed demon delivers blazing performance, nononsense components, and outstanding battery life, all for \$2,999. Despite its spacious 15-inch LCD, it won't strain your shoulder at a comparatively light 7 pounds. Factor in micronpc.com's outstanding Advanced Portable Exchange warranty, and it all adds up to an affordable high-end system flexible enough to let you kiss your desktop goodbye for good. (See review on p. 121.) micronpc.com • micronpc.com • B88-224-4247



#### crange cum TransPort ZX

#### Shadowpack

Finally, a way to organize online content for wireless devices

Whether you're a mobile infonaut or a compulsive online shopper, you'll crave the information-management capabilities that Shadowpack puts at your fingertips. The service, which can be used on PDAs, two-way pagers, and Net phones, helps you warehouse your personal information in ways that pay off in more personalized content and speedier online shopping. And there's no charge for the software or the service. (See review on p. 130.) Shadowpack • www.shadowpack.com • 800-432-6201

#### Need for Speed: Porsche Unleashed

The ultimate racing machine in the ultimate racing sim

If you've ever wondered what it would be like to slip behind the wheel of a Porsche, the latest installment in the Need for Speed series is for you. Not only do you get to race these amazing machines around 14 beautifully rendered courses, but two new modes let you buy and trade various models and even test-drive experimental vehicles. Be warned, however: You may never want to drive your own car again. (See review on p. 144.)

Electronic Arts • www.needforspeed.com • 800-245-4525

#### RECENT WINNERS

#### DESKTOPS

#### CyberMax Enthusiast 3 K7-850 (June) With its 850MHz AMD Athlon proces-

sor, 128MB of memory, and a host of quality components-including a GeForce 256-based graphics card, 19-inch monitor, and four-channel sound system—CyberMax's \$1,999-direct Enthusiast 3 K7-850 gives you value to spare. Factor in its generous software bundle, and ou'll wish it came with some spare time, too. CyberMax Computer

www.cybermaxpc.com \* 888-835-2402

#### Acer TravelMate 602TER

Step notebook offers mobile executives nearly 5 hours of battery life in performance mode, as well as 128MB of RAM, a CD-RW drive,



8MB of graphics memory, and a 13.3-inch XGA display in a trim 5.25-pound magnesiumalloy case. Innovative in every way. Acer America Corp. \* www.ocer.com 800-733-2237

#### Creative Nomad II

(June) With all the features of its predecessor. including a built-in FM tuner, a silvery case, and great audio quality, as well as a few of its own innovations-such as a handheld remote, USB connectivity, and bass-enhanced headphones—the \$329 Nomad II continues to rock the MP3-player market.

Creative Labs \* www.creotive.com 800-998-5227

#### Quantex W-1511

(july) A desktop-replacement system with a 650MHz Pentium III processor, a 15-inch XGA display, a 12GB hard drive, and DVD, the \$2,749 Quantex W-1511 packs a lot into its 7.6-pound case. Although it doesn't reap much benefit from Intel's SpeedStep pow management technology, the W-1511's bat-tery life of 3 hours and 25 minutes in maxim-performance mode is still respectable. Quantex Microsystems

vw.quantex.com \* 800-346-6685

#### HARDWARE

#### Canon PowerShot S20

(June) Canon's PowerShot S20 aims to please even the most fickle digital photographer with

a superb combination of price and performance. The \$799 3-megapixel camera boasts image quality rivaling that of a 35mm model. and it packs a wide range of advanced fea-tures into a shirt-pocket form factor. Canon U.S.A. \* www.powershot.com 800-652-2666

#### Epson Stylus Photo 870

(July) Every new photo inkjet printer that comes out seems to be better than the one before it. The Epson Stylus 870 continues this trend. Although its \$299 price places the Stylus 870 on the high end of the inkjet category, its amazing image quality and fade-resistant inks give you incredible-looking prints that will last nger than traditional lab-processed photos. Epson America • www.epson.com 800-463-7766

#### Hercules 3D Prophet DDR-DVI

ossible, and that's what you get with the 254 Hercules 3D Prophet DDR-DVI. Loaded with 32MB of DDR SDRAM, composite and 5-Video outputs, and a built-in DVI interface for digital displays, the 3D Prophet DDR-DVI is as flexible as it is fast.

Hercules \* www.hercules.com 877-484-5536

#### HP Deskjet 952C

(June) Hewlett-Packard's Deskjet 952C ranks among the best inkjet printers



Output quality for color and gray-scale photos is outstanding, as is its ability to print documents containing a mix of graphics and text. Although the 952C's \$300 price is higher than average for the category, users looking for the best print quality available should settle for nothing less. Hewlett-Packard Co. \* www.hp.com

#### Nikon Coolpix 800

(July) Once again, Nikon extends its tradition for top-quality photographic components to the digital realm. The new \$501 Coolpix 800 digital camera not only has a surprisingly inexpensive price, but its lightweight body and great-looking mages combine to make this 2-megapixel camera a must-buy. Nikon \* www.nikonusa.com www.nikonusa.com 800-526-4566

Samsung SyncMaster 570p Plus (June) Samsung's \$1,139 SyncMaster 570p

#### Lexmark Z52 Color Jetprinter

This low-cost color inkjet churns out high-quality output.

You can't ask much more from a color inkjet printer than fast print speeds, beautiful-looking output, and a thrifty approach to consumables. Not only does the Lexmark Z52 offer all of this, but its inexpensive \$179 price makes it a bargain as well. (See review on p. 118.) Lexmark International • www.lexmark.com • 888-539-6275

#### Nikon Coolpix 990

The digicam to get for high-resolution images

Nikon's newest Coolpix is not only one of the least expensive 3.3megapixel cameras available, it's also one of the best. Backing up its very competitive \$915 average price are razor-sharp images, excellent color accuracy, a range of useful features, and the ability to capture uncompressed images and OVGA video. (See review on p. 114.) Nikon • www.nikonusa.com • 800-526-4566

#### Sony DCR-PC100

A Mini DV camcorder that's big on ergonomics and image quality

Sony has taken its expertise in the professional video market and successfully applied it to the consumer-level \$1,999 DCR-PC100 Digital Video camcorder. In addition to being one of the smallest and lightest Mini DV units available, the DCR-PC100 creates superiorlooking video and still images. It's also extremely easy to use and packs a wide range of advanced features. (See feature on p. 168.) Sony Electronics • www.sony.com • 800-222-7669

#### WEB SERVICES

#### i-drive

The perfect cyber-extension for your hard drive

Cyber-storage is a booming business of late, and this service blows away the competition. Besides giving you a full 50MB of storage space to upload or share your files, i-drive offers fast transfer rates and the ability to schedule automatic backups and data transfers. Even better, any files you grab from the growing list of i-drive partner sites won't count toward your total allocation-no matter what the size. [See review on p. 142.] I-drive.com • Idrive.com • 415-356-2280

Plus is not your everyday 15-inch flatpanel display. With built-in stereo speakers, a picture-in-picture function, composite and S-Video inputs, and the ability to pivot between landscape and portrait modes, the 570p Plus gives you lots of extras for about as much as you'd pay for other TFTs.

Samsung Electronics www.samsungmonitor.com \* 800-726-7864

#### SOFTWARE

Cakewalk Pro Audio 9

(July) Cakewalk has long been the leading ice for PC MIDI production. But the \$379 version 9 adds some compelling features of its own, including new technology that dramatically improves response time when making changes during playback, as well as support for MP3, RealNetworks' G2, and Windows Streaming Media audio formats

Twelve Tone Systems www.cakewalk.com \* 800-234-1171

(June) For Web designers who still believe that creating a good site means working from the source code up, Allaire's HomeSite offers one of the most powerful HTML programs this side of cyberspace. It even anticipates the tags you type, lets you choose parameters on the fly, and closes your tags for you.

Allaire Corp. • www.allaire.com 888-939-2545

#### MusicMatch Jukebox 5.0

(July) A first-rate MP3 player and recorder. the latest downloadable version of MusicMatch adds support for Internet



radio stations and CD burning. A powerful, versatile, and free program that belongs on any music lover's desktop.

MusicMatch \* www.musicmatch.com 858-385-1300

#### Paytrust.com

(July) if you're sick of the monthly ritual of writing checks and licking stamps. Paytrust's elegantly designed Web site and reliable service is the cure. Fully insured and compatible with most personal-finance software packages, Paytrust lets you put your money where your mouse is. Paytrust • www.paytrust.com 877-729-8787



#### SOFTWARE

#### Microsoft Encarta Africana 2000

A fascinating and unique reference work

Microsoft Encarta Africana 2000 shows how good educational software can be. Its robust search engine gives fast and easy access to the program's 6,500-plus articles, photos, maps, and multimedia clips, and its timelines put much of that same data into historical and cultural context.

[See feature on p. 164.]

Microsoft Corp. • www.microsoft.com • 888-218-5617



#### Microsoft Streets & Trips 2001

A must-have program for road warriors and weekend escape artists alike

Whether you're just running to the store or planning a weeks-long getaway, Microsoft Streets & Trips 2001 will be sure to get you there. V

streets and highways, the ability to save your maps as Web pages, and support for GPS receivers, Windows CE handhelds, and Pocket PC devices, Streets & Trips can take you where you want to go and make sure you get back safe and sound. (See review on p. 138.) Microsoft Corp. • www.microsoft.com

888-218-5617

#### Ulead Cool 3D 3.0

(June) Ulead's aptly named software boasts dazzling animation effects and excellent import and export capabilities, all tied together with an amazingly simple interface. The perfect pick for Web designers looking to add stunning animated graphics

Ulead Systems \* www.ulead.com 800-858-5323

#### GAMES

#### The Sims

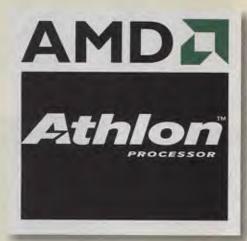
(June) SimCity creator Will Wright takes the Sim concept to a whole 'nother level—the micromanagement of virtual people known as (what else?) the Sims. Although making sure your Sims eat, bathe, work, and socialize may not sound like much fun, wait until you try it. You don't even need a God complex to love it, though it helps

Maxis/Electronic Arts • www.ea.com 800-245-4525

#### Superbike 2000

(July) Test your driving skills on this twoeled version of Formula 1 racing With 20 champion riders, 13 international tracks, and six real-world cycles. Superbike 2000 delivers all the heart-pumping thrills of motorcycle racing with none of the risks. EA Sports \* www.easports.com 800-245-4525

ZDNet Price It!"	code
ABS Performance 3	33716
Acer TravelMate 602TER	29705
Cakewalk Pro Audio 9	29662
Canon PowerShot S20	24928
Creative Nomad II	24930
CyberMax Enthusiast 3 K7-850	24921
Epson Stylus Photo 870	2966
Hercules 3D Prophet DDR-DVI	24916
HomeSite 4.5	24939
HP DeskJet 952C	2492
i-drive	3372
Lexmark Z52 Color Jetprinter	3372
micronpc.com TransPort ZX	33743
Microsoft Encarta Africana 2000	33740
	20000000
Microsoft Streets & Trips 2001 MusicMatch Jukebox 5.0	3372: 2966
AND DESCRIPTION OF THE PROPERTY OF THE PROPERT	2966
Need for Speed: Porsche Unleashed	3370
Nikon Coolpix 800	2967
Nikon Coolpix 990	3371
Pautrust.com	2969
Duantex W-1511	2969
Samsung SuncMaster	1000
570p Plus	2492
Shadowpack	3373
The Sims	2490
Sony DCR-PC100	33712
Superbike 2000	2966
Ulead Cool 3D 3.0	2491





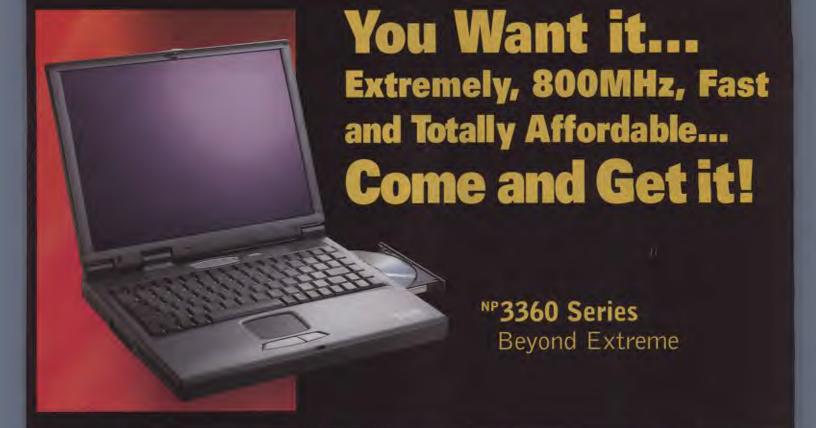
See the latest AMD Athlon and AMD Duron processor-based systems from leading vendors.

in the Opinions section of this issue.

Visit our website at www.amd.com for the latest benchmark information

THE WORLD'S FASTEST PC PROCESSOR





#### NP3360V

- > 14.1" XGA Active Matrix Display
- Intel® Pentium® III Processor 800MHz
- > 128MB 100MHz SDRAM
- 12.0GB Ultra DMA Hard Drive
- 6X Max: DVD-ROM Drivet
- Modular LS-120 SuperDisk™ Drive exchangeable with optional 2nd HDD
- > 256KB On-Die L2 Cache
- > 2X AGP 8MB ATI Rage Pro 3D Video
- > 3D Surround Sound
- > Smart Lithium-Ion Battery
- > Built-In Touchpad Pointing Device
- > 2 Type II or 1 Type III PCMCIA Slots
- Infra Red, Wireless Fast IR Interface
- > 1 TV-Out Port & 2 USB Ports
- > Other Ports: 1S, 1P, Ext. Keyboard and Ext. CRT
- > A4 Size Windows® 95 Keyboard
- > Microsoft\* Windows\* 98
- Deluxe Carrying Case
- > Weight: 6.8 lbs with Battery
- 12.4'w x 10.1'd x 1.58'h
- Sager's Umbrella Protection Policy

#### \$2395

Tel: 626,964-8682, Fax: 626,964-2381

Hours: Menday-Friday 7/30a.m. 6p.m. Saturday 9a.m. 3p.m. (PST) American Express, VISA, MasterCard & Discover Credit Cards Accepted - No Surcharge. Cashlers

- Sager's Umbrella Protection Policy

  3-0-Day Morey-Back Guarantee. If the equipment does not work as provised, or II you are not fully satisfied, we will lown a fall inferture upon the return of all original equalement.

  4-0-Hour Repair Promise. For the first 30 days, we'll repeir or restace your computer within 48 hours, and we'll pay the 2nd day air return shipping charge.

  72-Hour Repair Promise. For the rest of the 1-year warraitry, period, if it pakes more than 72-hours to repair your computer, we'll pay and by all return shipping charge.

  1-their Parts and Laber Limited Winarder.

  2-their Parts of Laber Limited Winarder.

unionals Policy Applies to End Diers in the Ulther States of America and in Earnals only and 46 Hour/12-Hour mostly soft les apply to hardware only. Editable problems may take larger.

#### NP3360

- > 14.1" XGA Active Matrix Display
- Intel® Pentium® III Processor 700MHz
- 128MB 100MHz SDRAM
- > 12.0GB Ultra DMA Hard Drive
- > 6X Max. DVD-ROM Drivet
- Modular 3.5" FDD exchangeable with opt. LS-120 Drive or 2nd HDD
- 256KB On-Die L2 Cache
- 2X AGP 8MB ATI Rage Pro 3D Video
- 3D Surround Sound
- Smart Lithium-Ion Battery
- Built-In Touchpad Pointing Device
- > 2 Type II or 1 Type III PCMCIA Slots
- Infra Red, Wireless Fast IR Interface 1 TV-Out Port & 2 USB Ports
- > Other Ports: 1S, 1P, Ext. Keyboard and Ext. CRT
- > A4 Size Windows 95 Keyboard
- > Microsoft" Windows" 98
- > Deluxe Carrying Case
- > Weight: 6.8 lbs with Battery
- > 12.4'w x 10.1'd x 1.58'h
- > Sager's Umbrella Protection Policy

### \$2145

Please call for details. GSA Contract # GS-35F-4168G

Business Leasing Available Program Administered by: Precion Capital "Specializing in Equipment Leasing" Optional 3 Year Extended Warranty from General Electric Available.

(0.) 994 by Mildem Computer, Inc., All rights reserved, All Complete shadon product narms mentioned herein are trademarks and/or registered trademarks of their respective companies. The IVVs separable NV to Sajer Molfolduk's I General trivings the ICLIVO Company, All color LCD Original sorress are simulated for article purposes. Prices and specification or other are adjusted in change without nortice. Operate orthware and simpling changes are see referentiable, 3%-Culy morney back quantities does not reclude freely or graphing or departing and heading others.

10X Min. 1 - 2X Min. 1- Manimum Transmission speed of as to High when coverloading and 33.6.50s when spicetims (bits. Artsel-each may sury depending on line conditions and covered FEC restrictor

#### NP3360e

- > 13.3" XGA Active Matrix Display > Intel® Pentium® III Processor 600MHz
- 64MB 100MHz SDRAM
- 6.0GB Ultra DMA Hard Drive
- 6X Max. DVD-ROM Drivet
- Modular 3.5' FDD exchangeable with opt. LS-120 Drive or 2nd HDD
- 256KB On-Die L2 Cache
- 2X AGP 8MB ATT Rage Pro 3D Video
- 3D Surround Sound
- > Smart Lithium-Ion Battery
- > Built-In Touchpad Pointing Device
- > 2 Type II or 1 Type III PCMCIA Slots
- Infra Red, Wireless Fast IR Interface
- > 1 TV-Out Port & 2 USB Ports
- Other Ports: 1S, 1P, Ext. Keyboard and Ext. CRT
- > A4 Size Windows® 95 Keyboard
- Microsoft\* Windows\* 98
- > Deluxe Carrying Case
- > Weight: 6.8 lbs with Battery
- > 12.4 w x 10.1 d x 1.58 h
- > Sager's Umbrella Protection Policy

## \$1895

## NP3360C

- > 13.3" XGA Active Matrix Display
- > Intel® Celeron™ Processor 500MHz
- > 64MB 100MHz SDRAM
- 6.0GB Ultra DMA Hard Drive
- 24X Max. CD-ROM Drive\*
- Modular 3.5" FDD exchangeable with opt. LS-120 Drive or 2nd HDD
- > 128KB On-Die L2 Cache
- > 2X AGP 8MB ATI Rage Pro 3D Video
- > 3D Surround Sound
- > Smart Lithium-Ion Battery
- > Built-In Touchpad Pointing Device
- > 2 Type II or 1 Type III PCMCIA Slots > Infra Red, Wireless Fast IR Interface
- > 1 TV-Out Port & 2 USB Ports
- > Other Ports: 1S, 1P, Ext. Keyboard and Ext. CRT
- > A4 Size Windows® 95 Keyboard
- > Microsoft<sup>®</sup> Windows<sup>®</sup> 98
- > Deluxe Carrying Case
- > Weight: 6.8 lbs with Battery
- > 12.4'w x 10.1'd x 1.58'h
- > Sager's Umbrella Protection Policy

### \$1645

#### OPTIONS

- > Numeric Keypad
- > 56K V.90 Modem\* > 2nd Hard Drive
- PCMCIA 10/100M
- > PCMCIA 10/100M+ 56K Lan Modern
- > USB Video-Camera

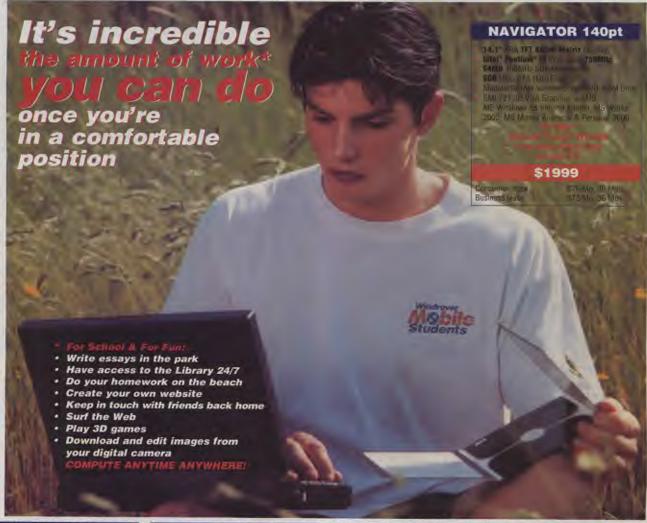
For up to the minute pricing and to order online, 24 hours a day, go to our website: www.sagernotebook.com











#### COMPASS 120cpt

- 12.1" SVGA TFT Active Matrix Display
- Intel® Celeron™ Processor 600MHz 64MB 100MHz SDRAM Memory
- **6GB** Ultra ATA Hard Drive
- Modular 24x Max Variable Speed CD-ROM Drive
- SMI 710 3D VGA Graphics w/4MB
- MS Windows 98 Second Edition, MS Works 2000

**GET FREE\*\*** Microsoft" Age of Empires" II

#### and save \$50 \$1549

pentium<sup>®</sup>

Consumer lease

#### COMPASS 130cpt

- 13.3" XGA TFT Active Matrix Display
- Intel® Pentium® III Processor 600MHz featuring Intel® SpeedStep™ Technology 64MB 100MHz SDRAM Memory
- **6GB** Ultra ATA Hard Drive
- Modular 24x Max Variable Speed CD-ROM Drive
- SMI 710 3D VGA Graphics w/4MB
- MS Windows 98 Second Edition. MS Works 2000

**GET FREE\*\*** Microsoft" Age of Empires" II and save \$50

#### \$1799

Consumer lease: Business lease:

\$69/Mo. 36 Mos

#### **NAVIGATOR 143cpt**

- 14.1" XGA TFT Active Matrix Display Intel" Pentium" III Processor 700MHz
- featuring Intel® SpeedStep™ Technology
- 64MB 100MHz SDRAM Memory
- 1268 Ultra ATA Hard Drive
- Modular 6x Max Variable Speed DVD-ROM Drive
- S3 Savage/MX 2x AGP Graphics w/8MB, TV-out
- MS Windows 98 Second Edition, MS Works 2000, MS Money Business & Personal 2000 GET FREE\*\*

Microsoft" Encarta" DVD-ROM Encyclopedia Deluxe 2000 and save \$75

#### \$2449

Consumer lease.

\$98/Mp, 36 Mos \$86/Mo, 36 Mos

#### **NAVIGATOR 150cpt**

- 15.1" XGA TFT Active Matrix Display
- Intel® Pentium® III Processor 750MHz featuring Intel® SpeedStep™ Technology
- 64MB 100MHz SDRAM Memory
- \* 12GB Ultra ATA Hard Drive
- Modular & Max Variable Speed DVD-ROM Drive
- . SMI SM721 2x AGP Graphics w/8MB
- · MS Windows 98 Second Edition, MS Works 2000, MS Money Business & Personal 2000 GET FREE ..

Microsoft Encarta DVD-RDM Encyclopedia Deluxe 2000 und save \$75

#### \$2749

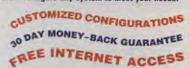
Consumer leave-Business lease:

\$110/Ma, 36 Mas. \$96/Mo, 36 Mas.

. BIII I -W BAKYO TAX MODEM POMCIA CARD SLOTS, TOUCHPAD WITH TWO MOUSE BUTTONS, INTO HATEL I A'CAN LIMITED PARTS AND LABOR WARRANTY STRINGE PLANS" ARE AVAILABLE PLEASE CALL FOIL DETAILS BILLES SHIPPED WITHIN 24 HOURS. ALL WINDROVER NOTEBOOKS INCLUDE A 3.5" DISKETTE DRIVE, USBIFAST HI TEREO SCUNDI AND SPEAKENS, 1-VIVAR PARTS AND LABOR WARRANTY, OF

Visit our website @ www.windrover.com for our latest prices and specifications. We can custom configure any system to meet your needs.

CALL TOLL-FREE (877) 946-3768

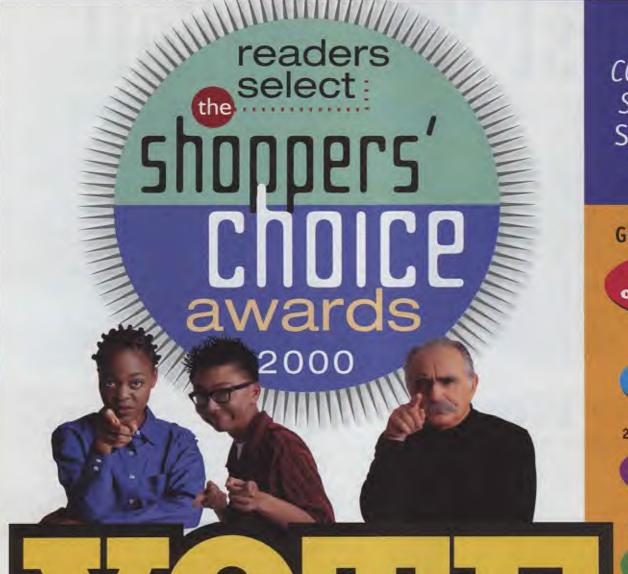


©2000 Windrover Company, LLC. All rights reserved, 300–3 Boute 17 South Loss, New Jersey, 07844. Prices and configurations are subject to change without notice or obligation. Subject to availability. Windrover is not responsible for any errors in typography or photography. Prices evolute shipping and handling and taxes. All prices in US Dollars. "May be provided via third party contact with customer. See website for details or phone 1.877.946.3768. Above lease terms subject to change without notice. Intel. the Intel Inside Logo, and Pentium are registered trademarks, and Intel SpeedStep and Celeron are trademarks of Intel Corporation. MS, Microsoft and Windows are registered trademarks of Microsoft Corporation.

\*\*Tree software offers valid for these configurations only. Other valid until August 15, 2000.



ENTER THE 2000 SHOPPERS' CHOICE SWEEPSTAKES AND YOU MAY WIN A \$2,000 SHOPPING SPREE!



WIN A COMPUTER SHOPPER SHOPPING SPREE!

**GRAND PRIZE** 

\$2,000 certificate

FIRST PRIZE

\$1,000 certificate

2 SECOND PRIZES

\$500 certificate

9 THIRD PRIZES

\$**100** certificate

One of 13 prizes could be yours! Just tell us which companies deserve the Computer Shopper Shoppers' Choice Awards.

Go to www.shopperchoice.com for official ballot.

# **VOTE AT WWW.SHOPPERCHOICE.COM**

# **Cast Your Ballot!**

Choose your favorite products and the best shopping sites.



# Vote Now!

ach year, buyers like you cast your ballots to let us know who's got the right stuff—which companies give you the best prices and service, and which products offer that gotta-have-it quality that makes them the best in their class. For office or home, from new inventions to classic favorites, the winners are up to you!

Computer Shopper readers are the most technically savvy, value-wise buyers in the industry. By voting for the most outstanding products, you're rewarding excellence in everything from hardware design and system configuration to product selection, swift delivery, and the quality of a vendor's salespeople, return policies, and warranties. In short, you're naming the market's most valuable players—and the winners are chosen solely on the basis of your votes!

#### **SWEEPSTAKES WINNERS**

Lucky Sweepstakes winners will be notified individually. We will feature the winners in the January 2001 issue of Computer Shopper.

#### THREE EASY STEPS TO CAST YOUR BALLOT

- 1. To vote, go to www.shopperchoice.com. Fill out the ballot's personal information and vote in at least one category to make sure you are entered in the Shoppers' Choice Sweepstakes.
- Vote in all categories in which you have personal knowledge. Tell us the specific name of the products you believe in and where to buy them by phone or online.
- 3. All entries must be received electronically by September 30, 2000.

#### 2000 SHOPPERS' CHOICE READER SWEEPSTAKES RULES & REGULATIONS

OFFICIAL RULES—NO PURCHASE OR PAYMENT NECESSARY TO ENTER OPEN TO RESIDENTS OF THE U.S.

I. You are automatically entered in the 2000 SHOPPERS' CHOICE SWEEPSTAKES by filling out the online ballot on the Computer Shopper Shoppers' Choice Web site (www.shopperchoice.com) and voting for the best products and Computer Shopper advertisers that sell them. Limit one entry per person. All entries must be received by 11:59 p.m. EDT on September 30, 2000. Normal Internet access and usage charges imposed by your online service will apply. Vote in any category in which you have personal knowledge, but you must vote in at least one category to be entered in the sweepstakes.

2. Prizes are: Grand Prize (1) Computer Shopper \$2,000 gift check; First Prize (1) Computer Shopper \$1,000 gift check; Second Prize (2) Computer Shopper \$500 gift check; Third Prize (9) Computer Shopper \$100 gift check. Winners will be selected in a random drawing from among all eligible ballots/entries received. Odds of winning are dependent on the number of entries received. All prizes will be awarded, and winners will be notified by mail, e-mail, or phone. Only one prize per individual or household. Prizes are nontransferable, and no substitutions are allowed, except by the sponsor, who reserves the right to award a prize of equal or greater value if advertised prize is unavailable. Sponsor and its agencies assume no responsibility or liability for damages, losses, or injury resulting from acceptance or use of any prize. ZD Inc., its agencies, and its employees are not responsible or liable for any guarantee or warranty either expressed or implied on any prizes awarded. Taxes, if any, related to the prize are the responsibility of the individual winners, 1099 tax statements will be filed with the IRS for major prize winners. Winners may be required to verify their address, or execute and return an affidavit of eligibility and liability/publicity release within 14 days of notification attempt, or the prize may be forfeited and an alternate winner selected. No responsibility is assumed for lost, misdirected, or late entries. Acceptance of prize constitutes permission to use winners' names and likenesses for publicity purposes without further compensation, except where prohibited by law. Sponsor and its agencies are not responsible for technical, hardware, or software malfunctions; lost or unavailable network connections; or failed, incorrect, inaccurate, incomplete, garbled, or delayed electronic communications, whether caused by the sender or by any of the equipment or programming associated with or used in this sweepstakes or by any human error that may occur in the processing of the entries in this sweepstakes. Sponsor reserves the right to cancel the online portion of the promotion if it becomes technically corrupted.

3. Sweepstakes open to U.S. residents, 18 years of age or older as of June 10, 2000, except employees and their families of ZD Inc., the participating advertisers, their affiliates, subsidiaries, and advertising agencies. This offer is void where prohibited or restricted by national, state, or other governmental laws. Subject to all federal, state, and local laws.

 For a list of winners, available after December 15, 2000, log on to www.shopperchoice.com.

5. The sponsor of the promotion is ZD Inc., N.Y., N.Y.

# \$2,000 SHOPP

# You make the call!

Tell us which PC companies and Web stores give you the best value, service, and support.

ew people know more about computing's best values than those who actually do the most buying. So we've changed the name of our coveted annual readers' picks awards, formerly known as the Best Buy awards, to the Shoppers' Choice awards to reflect the influence of you, our readers. (The Best Buy awards, meanwhile, have been relaunched as our editors' monthly commendations of outstanding products.)

The Shoppers' Choice winners are selected solely by you, giving you the chance to decide which products deliver the best mix of innovation, value, and performance. You'll also have the opportunity to name the vendors that deliver the widest selection, the most competitive prices, and the most knowledgeable and dependable service and support.

#### We're listening to you!

**FILL OUT THE OFFICIAL 2000** SHOPPERS' CHOICE BALLOT AND SWEEPSTAKES ENTRY FORM AT www.shopperchoice.com

Here's how to cast your ballot:

- 1. Go to www.shopperchoice.com and fill out the form matching the one on the right. You must vote for at least one category to be entered in the sweepstakes.
- 2. Vote in all categories in which you have personal knowledge. Please include both the manufacturer and exact product name when nominating products. For the Best Places to Buy categories, simply list the advertisers you wish to select.
- 3. Vote electronically. All entries must be received no later than September 30, 2000. Limit one entry per person.

Vote via the Web!

SAMPLE BALLOT

Vote via the Web!

BEST COMPUTER SYSTEMS Manufacturer Product

Performance Desktop PC

Value Desktop PC (under \$1,000)

Business Desktop PC

Notebook PC

Lightweight Notebook PC (under 4 pounds)

PDA or Palmtop-Sized PC

BEST PERIPHERALS/COMPONENTS Manufacturer

Monitor (flat-panel or CRT)

Graphics Card

Hard Drive

DVD-ROM, CD-R, or CD-RW Drive

Home Network Card

Printer (inkjet, laser, or multifunction)

Scanner

Digital Still Camera

MP3 Player (hardware)

**BEST SOFTWARE** Publisher Product

Office Productivity Application

(word processing, accounting, spreadsheet, presentation...)

Personal Productivity (PIMs, mapping, personal finance...)

Web Design and Authoring

Game

MP3 Player (software)

BEST PLACES TO BUY (including online sites)

Desktop PCs

Notebook PCs

Web Appliances, PDAs, Web Phones

Monitors

Multimedia Products (graphics, audio, digital cameras, MP3 players...)

Storage Devices

Communication Products

Printers

Software

BEST PC MANUFACTURER WEB SITES

Best for Desktop PCs

Best for Notebook PCs

Vendor Product BONUS

Coolest, Most Innovative Product (hardware)

Most Innovative Software

Best Web-Based Service (online storage, personal portals, shopping bots...)

Best Service and Support Overall

Best Place to Buy Overall

# **TINY** computers a whole new approach

Tiny has been manufacturing and selling top quality PCs worldwide for over 20 years. Now we're here.

Our approach to selling PCs is refreshingly simple. We offer two easy ways to choose the PC system that's exactly right for you. With our Customline range you can tailor a system to meet your specific needs and budget.

With our Complete Systems we carefully select top quality components and combine them with fantastic value add-ons to offer you a complete and fully compatible PC package at a price you won't believe. Just compare our prices.

And because we work closely with Industry leaders such as Intel, you can rest assured that every Tiny PC always has the latest technology built-in.

All systems come with fast and reliable 24/7 Toll Free Technical Support and we even make a courtesy phone call after delivery to ensure everything is OK.

Find out for yourself what makes Tiny different. Call Toll Free for a free color catalog or visit us online at www.tiny.com.

## **Every Tiny system** includes

- PCCillin Anti Virus Software
- Instant Access Keyboard
- Microsoft®Intellimouse™
- Windows® 98 (2nd edition)
- 24/7 Toll-Free Technical Support
- 3 Year Limited Warranty
- 1.44MB 3.5" FDD



## Self-configure.



#### Customline

We offer self-configure systems from entry level PCs to the latest Intel® Pentium® III Processor 933MHz systems, we'll deliver precisely what you need at a price you won't believe.

#### Customline 500

Intel® Celeron® Processor 500MHz

64MB FAST SD RAM

10GB Ultra DMA Hard Disk Drive

15" Color Monitor (13.8"Display)

AGP 64 Graphics

48 Speed Max CD ROM Drive

Integrated Wavetable 32 Sound

Tiny CPR50 Stereo Speakers

56K Modem with V.90 Standard Compatibility

Microsoft® Windows® 98 Second Edition - the home version of the world's favorite software, Microsoft\* Works Suite 2000

> \$899 OR AS LOW AS \$29/MO

#### Customline 733

Intel® Pentium® III Processor 733MHz

128MB FAST SD RAM

20GB Ultra DMA Hard Disk Drive

17" Color Monitor (15.8"Display)

16MB nVidia TNT2 Graphics Card

DVD ROM Drive

Creative Labs SoundBlaster 64 Wavetable Sound

Tiny CPR50 Stereo Speakers

56K Modem with V.90 Standard Compatibility

Microsoft\* Windows\* 98 Second Edition - the home version of the world's favorite software. Microsoft\* Works Suite 2000

> \$1399 OR AS LOW AS \$46/MO

**Upgrade** all systems to 3 year **On-Site Warranty** 

WWW.TINY.COM TOLL-FREE 1-877-900-9015

# Or pre-configured. The choice is yours.





#### Complete Systems

We offer complete PC packages which always include the latest technology, software and peripherals at an all-inclusive price that's impossible to beat. And now every Tiny complete PC package includes 3 months Internet access absolutely FREE with Tiny Online. Better yet, selected systems, including the Internet Writer 650 below, come with 12 months FREE Internet Access.

#### Internet Writer 650

Intel® Pentium® III Processor 650MHz

128MB SD RAM

20GB Ultra DMA Hard Disk Drive

17" Color Monitor (15.8"Display)

AGP 64 Graphics

DVD ROM Drive/CD Re-Writeable/ Recordable Combination Drive with CD Writer Software and FREE Blank CDRW Disk

Integrated wavetable 32 sound Plus Tiny CPR50 Stereo Speakers

56K Modem with V.90 Standard Compatibility

Lexmark Z11 Color Jetprinter

300dpi USB Flatbed Color Scanner

Includes Microsoft\* Windows\* 98 Second Edition - the home version of the world's favorite software. Microsoft\* Works Suite 2000. Plus FREE choice of software option worth up to \$460

12 months FREE Internet Access with Tiny Online

#### Power Image 733

Intel® Pentium® III Processor 733MHz

128MB SD RAM

27GB Ultra DMA Hard Disk Drive

17" Color Monitor (15.8"Display)

AGP 64+ Graphics

DVD ROM Drive/CD Re-Writeable/ Recordable Combination Drive with CD Writer Software and FREE Blank CDRW Disk

Integrated wavetable 32 sound Plus Tiny CPR50 Stereo Speakers

56K Modem with V.90 Standard Compatibility

FREE Fuji FinePix 1400 Zoom Digital Camera & Image Editing Software worth \$399

Lexmark Z11 Color Jetprinter

600dpi USB Flatbed Color Scanner Includes Microsoft® Windows® 98 Second Edition - the home version of the world's favorite software. Microsoft\* Works Suite 2000. Plus FREE choice of software option worth up to \$460

3 months FREE Internet Access with Tiny Online

#### Performance Notebook 700

Intel® Pentium® III Processor 700MHz

64MB SD RAM

12GB Ultra DMA Hard Disk Drive

14.1" TFT Color Display

8MB AGP Graphics, TV Out

**DVD ROM Drive** 

Internal 56K Modem

**USB Port** 

Carry Case & Lithium Ion Battery

Includes Microsoft\* Windows\* 98 Second Edition - the home version of the world's favorite software. Microsoft® Works Suite 2000.

3 months FREE Internet Access with Tiny Online

Your choice of FREE

UPGRADE either Lexmark Z11

Color Jetprinte RAM Upgrade to 128MB SD RAM

\$2399

OR AS LOW AS \$80/MO



**CALL TOLL-FREE** 1-877-900-9015

FOR FREE COLOR CATALOG OR TO ORDER



ONLINE WWW.TINY.COM

FOR OUR LATEST OFFERS AND TO ORDER

The new big name in PCs.

\$1599

OR AS LOW AS \$53/MO

**\$1899** 

OR AS LOW AS \$63/MO



DUAL-RAD.

# Take Note: ZDNet's Ultimate College Guide

Your orientation to technology

ZDNet's Ultimate College Guide Web site and Computer Shopper's Guide to Buying A College PC arm you with educated purchasing power!

#### Featuring:

- . Desktop Buyer's Guide
- Notebook Buyer's Guide
- Software Essentials Checklist
- Portables from cell phones to hand-held organizers
- Introduction to Online Purchasing

#### And more!

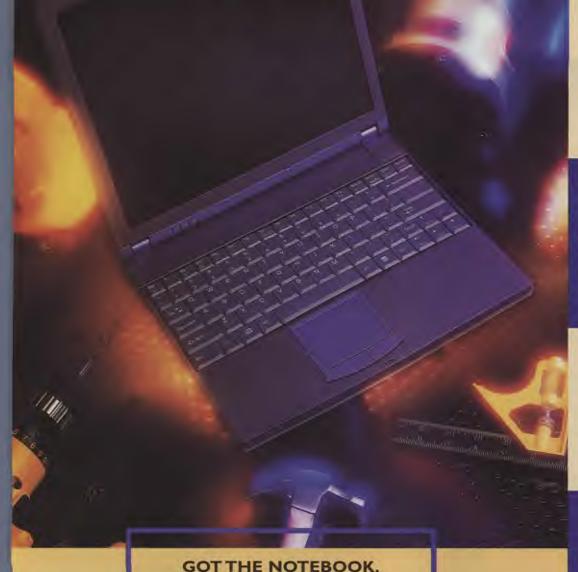
Do the research. Get the information you need to make your purchasing decisions—and save!







Visit http://college.zdnet.com





CIOS6K

NOTEBOOK HANDHELD CIO 56K MODEM

\$129

PORTABLE DATAFLASH 40MB PC CARD TYPE II ATA FLASH CARD

\$109



DP-ATA/40



DP-PCM/520

HIGH-CAPACITY DATAPAK 520MB PC CARD TYPE III HARD DRIVE

\$369

FAST ETHERX 10/100TX CARDBUS ADAPTER

\$79



WITH MORE AND MORE NOTEBOOKS being used in the field, you need to build a system that is reliable and gives you outstanding performance and flexibility. Let Kingston® Peripherals supply the tools you need to build a powerful mobile computing solution. Kingston offers solutions of all types to extend the life and increase the performance of your notebook. Increase your storage capacity, Improve your memory, Get connected. For more information call your Kingston sales representative at (800) 533-0086. To purchase these products at special promotional pricing, visit MobilePlanet® at www.mobileplanet.com/kingston.

NOW GET THE POWER TOOLS.

KINGSTON PERIPHERALS.

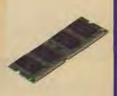








17600 Newhore Street, Fountain Villey, CA 92708 USA (714) 433-2600 Fax (714) 438-1879 Ø 2000 Barguos Technology Company, Inc.
Prixing subject to change. All rights reserved. All registered trademarks and trademarks are the property of their respective owners.



NOTEBOOK MEMORY PC100 64MB

\$100

KTT-SO 100/64

6 GIGABYTE NOTEBOOK HARD DRIVE UPGRADE

\$3 I 9



KGEN/6+



# Conspiracy Theory

Everyone's ganging up on Microsoft-it's a plot, stupid.

R. BILL OPINED RECENTLY THAT THE STIRRING RAGS-TOriches tale of personal computers somehow never made an appearance in the late, lamented antitrust trial. Perhaps if he had put in a personal appearance, he mused, things might have been different.

Be that as it may, Microsoft now says it always expected the case to fall to a higher court. And to help that court reach the proper conclusion, the company is lavishing money on both political parties, running multi-million-dollar

publicity and lobbying campaigns, funding research firms favorable to its cause, even creating its own groups—to generate seemingly independent, grassroots letter-writing campaigns and opinion columns.

Their point is that what's good for Microsoft is good for everyone. These subsidized lobbyists would like us to know that breaking up Microsoft will harm the U.S. economy, dull America's technological edge, and lead to more costly, less functional software. None of which, of course, quite engages the question of whether Microsoft did violate antitrust law, and if so, whether it must follow rules, like the rest of us.

I chanced upon the following in a trash bin near Redmond. It may shed some light on the issue:

#### Dear Senator:

It has come to my attention that a redtinged cabal has one of America's most beloved companies in its crosshairs. Indeed, an appeals court is at present weighing the preposterous notion of breaking this national treasure in two. Can it be coincidence that give-it-away software maker Red Hat chose to incorporate the color of international communism into its brand? Our guardian of freemarket regulation, the U.S. Congress, must heed the call and prevent enemies of commerce from harming those who build the national software.

THE CASE AGAINST COMPETITION: Since your colleagues may not have found time to study up on complex software technology (best left to experts), here are modest proposals for keeping the economy safe for Microsoft. (And let me state that not one dime will come into my coffers from the software great for these opinions.)

1 The operating system is whatever Microsoft says it is. Let's not have any of this liberal cant about appropriating competitors' prod-



ucts into the OS. Microsoft graciously allowed Netscape to run on Windows, and what thanks did it get? Just a lot of snipping about Microsoft quite properly suggesting that companies like Compaq and Apple would be out of business if they dared to offer Netscape's browser.

2 Free software is part of an international plot. It's perfectly true that those who despise capitalism love free software. In red

China, whole factories churn out illegal copies of Windows and Office, to be sold in Hong Kong and beyond for pennies. As if that weren't enough, now Red Hat, IBM, Intel, and other fellow travelers are throwing money at the free Linux movement.

Microsystems—with its Java initiative (is it open or not?)—and AOL—with Instant Messaging and its take-no-prisoners installation process—are just as high-handed as Microsoft ever was, but do we hear the press whining about their methods? Not a peep. What's a self-righteous company to do, other than generate its own articles and PR?

4 The country deserves someone to define technology. With so many competing standards threatening to confuse consumers, someone should lay down guidelines. What company has a better track record for delivering benefits to consumers and profits to shareholders? Microsoft must take this on, telling others how (and whether) to link to the Windows World Standard, collecting modest royalties for the trouble. Congress should look into this.

AND IN CLOSING: Yes, I know, defining the standards would be a bit of bother for our boys in Redmond, but consider what's afoot. Sony and Intel threatened early this year to explore a home network alliance, using a non-Windows core. Now Sun with Java and Intel with Linux are pushing non-Windows solutions for the embedded market-with its dizzying array of cell phones, wireless PDAs, and Web appliances. AMD, too, is gaining Linux partners to offer processors for embedded devices and Web appliances. And rubbing salt into wounds, AOL and Gateway have teamed up with chip maker Transmeta to work on a Web appliance free of both Microsoft and Intel products.

At the high end, HP and Intel are jointly offering a Linux software development kit for the forthcoming 64-bit Itanium processor. In addition, database giant Oracle and Unix powerhouse SCO have both announced new Linux distributions. You get the idea. Competition is fierce outside the PC environment.

Though Microsoft Office now reigns over the suites from Corel and Lotus, higher Internet bandwidth may encourage use of free (non-Windows) software run remotely. The threat is real. Senator, defend Microsoft now.

> Sincerely, Joe Blowhäard

John blackford@zdnet.com



128 MB 100 MHz SyncDRAM 20.0 GB LitraDMA Hard Drive! (7200 rom) 40X Max Variable CD-ROM Drive\* 16 MB nVidia M64 2VAGP Graphics

Creative Labs 1373 with 128 Voices 56K ITU V.90 Modemi

#### JBL Platinum Speakers with Digital Audio Port Compag CV735 17" Monitor (16.0" VA) PICK YOUR FAVORITE COLOR

Choose the perfect MyStyle Accent Kit: Ruby Red. Emerald Green, Sapphire Blue. Amethyst Purple, or Amber Grange Free\* with your purchase



# Is it technology or chemistry?

Maybe you're attracted to its looks. Those colorful MyStyle Accent Kits that make it completely yours. Or maybe you're intrigued by the power of its AMD® Athlon™ processor. Then again, its easy access design could make it the ultimate low maintenance relationship. Some things you can't explain. But one thing's for sure. The new Compaq Presario Internet PC, featuring Compaq.net powered by MSNI, is perfect for you. So get one today, Because at this price, it's a relationship that's bound to click.

#### 1-888-549-9784 www.athome.compaq.com Buy direct from Compaq or from your favorite retailer.



Compaq Retailers: ABC Warehouse, American Appliance, American TV, Best Buy, bigcityexpress.com, Brandsmart USA, Buy.com, CDW, Circuit City, CompUSA, Computers4sure.com, Conn's, DataVision, Fred Meyer, Fry's Electronics, Handlech.com, h.h. Gregg, Insight.com, J&R Computer World, Micro Center, MicroWarehouse, Nationwide Computers & Electronics, Nebraska Mega Mart, Office Depot, Outpost.com, PC Connection, PC Richard & Son, PC Warehouse, RadioShack.com, RCS Computer Experience, Sears, Staples, The Wiz, Tiger Direct, ValueAmerica.com, WorldSpy.com Visit a Compag Built For You Custom PC Center at retailers highlighted in bold.

All prices shown are Company that string prices and do not include monthly Company has service here, applicative states and employs, see valid in the US coly, and are subject to change or cancellular window forces. Not all modules states that configurations priced. Past prices may any Company as not labeled to address prices in the absence in the ab



# Pocket PC Has Potential

The Pocket PC has a good chance at success—if Microsoft doesn't duplicate the mistakes it made with the Windows CE platform.

FEW YEARS AGO I ADVOCATED THE USE OF THE TERM "pocket computer" to denote a fully functional computer that was pocketable. This was to differentiate such a device from a palm or handheld computer, which would serve not as a full-function machine but as a peripheral. This nomenclature is even more meaningful today, now that Microsoft has adopted the term "Pocket PC." The first model I've seen that conforms to Microsoft's Pocket PC standard is Casio's diminutive color

Cassiopeia E-115. I got my hands on one of these new units and had a meeting with the company's top executives to get an understanding of what they were up to.

From what I could tell, the company is hoping Microsoft comes up with the right formula for success this time in light of the lukewarm reception Windows CE devices have received so far. Casio and others have

been following the Microsoft road map for Windows CE devices, and none of these devices has been hugely successful for a variety of reasons. Here are a few to ponder:

Lack of Interoperability. This is the Achilles' heel of the CE device. Because CE was designed to be a portable OS, it could be ported to any number of chips. Once ported, the apps had to be designed to run code for that chip. Only Microsoft had the resources to port its library of CE apps to each and every chip that would eventually power a CE device. Meanwhile, if a Palm user wanted to download a game or neat utility from the Internet and run it, the user was assured any Palm OS program would work on any Palm or Handspring machine. I can't go to some CE site and download an app unless it's specific to the machine, not the OS. This is too confusing to the new

user, and it was a huge blunder.

Microsoft Fascism. Aside from unleashing the interoperability-problem plague, Microsoft made CE licensees adhere to numerous requirements. One edict that caused a huge problem was that the monochrome units' displays had to support gray scaling. While under optimal circumstances this made the Microsoft icons look pretty

on the screen, it resulted in a blurry image most of the time. The Palm's display, being monochrome black and white, looked clearer and was easier to read.

Clumsy Apps. Again, I blame Microsoft because the apps on a CE machine are just not simple and easy to use. Much of this stems from Microsoft's internal policy about "eating your own dog food." The company doesn't let its people use competitive products for their work. Everything is supposed to be Microsoft in origin, and because of this employees get used to a view of the way things should be that doesn't necessarily jibe with what the public wants. More savvy companies want their employees to use the best technology, not just the in-house technology. Microsoft makes a lot of weird product decisions. Now you know,

#### MORE POWER IN YOUR POCKET

So where does the Pocket PC fit into the scheme of things? The new Casio Cassiopeia E-115 is really just a more powerful CE palmtop computer. It won't stand alone as a desktop replacement, although I suspect it has the power to do so. When I mentioned this to the Casio executives, they were intrigued by the idea. But I'm not sure whether Microsoft sees this possibility on its big road map.

There's no reason a small device like the Pocket PC can't be dropped into a cradle with

> keyboard, monitor, mouse, sound I/O, and network connections, maybe even a SCSI port as an option for disk drive expansion, CD-RW, and the like. The little unit could have a fast processor, 128MB or more of memory, and a 2.5inch hard drive or even an IBM hard drive on a flash memory card. It would be at least as powerful as the second-generation 386 machines. That's more than enough power to run trimmed-down apps and browse the Net. Plus, it would be fully functional as a desktop replacement. Perhaps it would choke on Adobe Photoshop, but that's about the only thing.

The Pocket PC is the true direction of small computing. Let's hope someone figures this out soon.

dvorak@dvorak.org





How unique can any notebook really be? Well, ours weighs-in at under 4 pounds which makes it ultra-light. And it has a flexible bay built right in which makes it ultra-mobile (the only one of it's kind). So since you have the option of what device you use (like a DVD), this LifeBook S Series notebook makes your life on the road ultra-convenient. Pretty Smart! Pretty Small! Pretty Unique!

Fujitsu recommends Windows\* 2000
Professional for business.
For a complete line of Fujitsu mobile products, please visit us at WWW.fujitsupc.com or call us at 1-877-FPCDirect.

Fujitur and the Points logo are registered trademarks and Universe his tracement of Fujitur Luminot fints, the Intel Logo and Peritiin are registered trademarks and Specificing of Inademark of Intel Corporation. Microtott and Windows are registered trademarks of Inademark and Intel Corporation. All other trademarks intelligent terms are the property of their important enters. O 2000 furtio N.C. Corporation, All infinit reserved.



#### 

# Know Any Good Plumbers?

Request-driven shopping sites focus on services rather than products.

USED TO THINK INTERNET COMMERCE WAS RESTRICTED TO products, leveling the playing field for everything from antiques to large appliances. But after changing from an apartment dweller to a homeowner, I realized it's also a great place to shop for services. Companies in so-called "demand-driven" or "reverse-auction" commerce are diving exclusively into the world of services. What started in the business-to-business space has expanded to consumer services, with companies such as Handshake, Imandi, and eFrenzy

offering everything from interior design to plumbing, pet grooming, and tennis instruction. (EFrenzy was in preview at press time, but it will have launched by the time you read this.) "Our vision is any service, any time, anywhere," says Kathleen Gasaud, cofounder of eFrenzy.

#### E-COMMERCE IS INFORMATION

The reason services and the Internet are such a great fit is that low prices are only part of the appeal. The Internet's greatest strength is its dexterity in delivering information.

Venerable vertical sites such as Microsoft's CarPoint, Expedia, and HomeAdvisor, or the contractor-referral service ImproveNet, have known this for years. The difference between these and reverse-auction sites is that the scope of the latter is broader, while their target is more local.

The challenges of delivering such a targeted service are not trivial. Getting enough coverage across the United States requires massive grassroots marketing. EFrenzy, for instance, recently partnered with Tribune Interactive to use its classified sales force in hopes of bringing in merchants. At press time, it was preparing to announce a relationship with another "major local media" company to expand that effort. To reach "offline" service providers, eFrenzy and ImproveNet use a combination of fax, pager, and e-mail.

EFrenzy says it monitors requests to ensure customers get responses. "When our new chief marketing officer was considering the job, she had been trying for three months to get landscapers to return her calls," says Steve Lake, CEO. "In four hours, she received three responses through eFrenzy."

Getting too many responses, however, can also be a problem, for both buyer and seller. EFrenzy uses information on seller



response rate in a particular category to deliver a buyer three to four responses, while ImproveNet delivers only the first four responses.

Content delivery is a challenge for the newer service-oriented shopping sites. Lake says eFrenzy will have numerous buyer's guides up and running when it launches, but he concedes the site's depth of information can't compare with that of a vertical service such as an ImproveNet.

ImproveNet walks you through every aspect of home improvement, from kitchen remodeling to roofing, with pictures, examples of accessories, and a rich message board where professionals answer questions for free. And while eFrenzy checks a potential service provider's credit and Better Business Bureau histories, and ensures it has the proper licenses, ImproveNet even checks contractors' recommendations before allowing them on the site, according to Bill Crosby, vice president of editorial. He claims 40 percent of contractors applying for inclusion are denied.

The average project price ranges from \$25,000 to \$30,000, and ImproveNet takes a 2 percent cut. The company assigns a personal project advisor to each customer to answer questions and explain what to do if the job requirements change halfway through ripping out a second floor. "We're high-tech, but we're also high-touch," says Crosby.

#### THE LITMUS TEST

The only way to determine if a servicefinder site suits your needs is to put in a request. The newer sites' forms often require only one or two screens of info, so it's a lot easier than making 10 phone calls.

For extremely complex projects, a vertical site is probably still the way to go, but whatever referral service you choose, understand how it's using your personal information. Most of the newer services keep you anonymous. Some, such as eFrenzy, send e-mails that link back to the site, where you can compare multiple bids on one screen. Others, such as Imandi, allow sellers to see your identity before you've chosen to do business with them. In fact, Imandi forces you to enter a phone number, which I did for a pest-control request. Now I'm finding myself overwhelmed with voice mails. Faced with bids as high as \$350 from e-mail responses on Handshake, down to \$150 from Imandi-generated phone calls, I'm still trying to figure out how to make an informed choice. Then again, I didn't know where to turn two days ago. Now it's just a matter of fine-tuning the information.

jobrien\_eshopper@mail.com



# A Farewell To Film

Advances in digital photography are bringing an end to the era of film and paper.

HE DIGITAL REVOLUTION IS SWEEPING ALL TYPES OF media, with the changes typically occurring in two phases. The first phase reshapes the underlying tools but keeps the business model intact. The second brings about a more radical reshaping of the industry. Photography is a prime example. During the first phase of the digitalphotography revolution, Kodak and others offered digitized images on CDs as a film-processing option, and enthusiasts used home scanners to convert

pictures to digital form. The second phase, the conversion to digital cameras, represents the full transition to the digital world, and it's now well under way.

Digital cameras change the picturetaking experience. Being able to see the image on the camera's LCD immediately after it's taken lets you decide whether to keep the picture, or change the settings and try again. Because you're not using film, there's no cost involved in taking another shot. This changes picturetaking behavior significantly. You can

take all the pictures you want, until you run out of memory or bat-

tery power.

In some ways, however, the cameras fall short of their filmbased predecessors. Resolution is ceasing to be an issue for all but the most demanding uses, but dynamic range and color fidelity still can't match the results you achieve from the best film cameras. Digital cameras are also more expensive than their film equivalents, and their user interfaces

aren't nearly as refined. What's more, annoying shutter delays often make it hard to fire off a shot at just the right moment.

But these issues will be resolved, and digital cameras will become compelling for nearly all uses. The bigger problem is what to do with the images after you record them.

#### FROM SHOEBOX TO HARD DRIVE TO WEB SITE

Kodak was the first to make photography accessible to consumers by introducing the "you push the button, we do the rest" concept. In this regard, digital photography has taken the industry back more than 100 years. To use a digital camera effectively, you have to do a lot more than just push the button. You have to master several PC programs, purchase a photo-quality printer or upload photos to a Web site that provides printing services, and somehow keep all your image files organized. Disorganized shoeboxes full of negatives and prints are being replaced by disorganized hard drives full of files with meaningless names.

For digital photography to be a success, it must offer an entirely new approach to image management. Consumers need a way to view and organize images without a PC. They need to be able to keep images safe from disk crashes and PC failures. And they need easier ways to view their pictures. Just as the Web is being freed from the PC by way of a range of Internet appliances, digital pictures need to be freed from the PC.

In the digital world, pictures on paper will become the exception rather than the rule. We'll start viewing images on screens of various kinds-from computer monitors, to flat-panel displays that serve as digital picture frames, to TV sets. As display costs come down, consumers will have more of them in their homes. The display may be a PC screen connected to a home network, but this is not a solution for the mass market.

This enormous shift in technology from silver-halide images on paper to bits on a screen will drive a large-scale restructuring of the photography industry. The revenue derived from film and processing is now up for grabs. Consumers will still make prints, but far fewer of them. Because you typically pay for an entire roll of film, you usually end up paying for bad pictures you don't want. This represents a huge source of revenue for the film processor.

Companies such as Fuji and Kodak, which have huge investments in the existing infrastructure and photo-processing model, must embrace the revolution with-

out gutting their core businesses. The natural approach is to try to fit the digital camera into the old model: Bring your memory card into the store, and the photo lab will make prints for you. Now you can also upload images to the Web and have them printed and mailed. In the long run, however, prints will be peripheral, not central. Consumers need new devices and new ways of working with pictures so they can work comfortably in the digital domain without becoming technologists. michael@mslater.com





What could you do with more time?

#### Think of all the things you could accomplish

if you just had more time. Think of the time you'd save if you didn't have to wait on a slow PC. Now you can do something about it. Put the power of the AMD Athlon™ processor to work for you. With speeds of up to 1GHz, full speed performance-enhancing cache memory and an advanced multimedia architecture, systems based on the AMD Athlon processor will scream through your applications. Which means you'll save time. So what could you do with more time? Find out for yourself.

Don't waste anymore time. The manufacturers listed on the following pages have great systems based on the AMD Athlon™ processor. Just look for the pages marked with the SHOPSMART-CHOOSE AMD logo. You can take advantage of the incredible speed and performance of the AMD Athlon processor for yourself.

What are you waiting for? Order your system today.

THE WORLD'S FASTEST PC PROCESSOR



CALL TO ORDER OR VISIT US ON THE WEB AT WWW.tigerdirect.com

62 24 HOURS A DAY! IN CANADA CALL: 800-888-6167

Athlon



Every TigerSystems PC Includes All These Extras... Absolutely FREE!

- . One Year Of FREE Internet Access Provided By Coollink!
- . "ILearn" Windows 98 Tutorial, Pre-loaded, Ready To Run!
- "PC Linker" Tiger's Own Valuable Utility to help You Transfer Your Old PC Files to Your New Tiger PC!
- 24-Hour Toll-Free Technical Support!



WINLIST



Upgrade to Cyber Acoustic Speakers with Subwoofer for \$29.99 # C375-1001

PLUS! TOLL-FREE TECHNICAL SUPPORT

18 \$329.99

20 \$747.99

We Build Our With "Top Shelf"

**Seagate** 

Microsoft

Quantum

Western Digital

AMD Athlon

If you've been thinking about buying a Pentium III, take a look at the AMD Athlon. The AMD Athlon processor is designed to significantly outperform the sixth-generation processors. It starts off by using a 200MHz system bus—it's twice as fast as the Pentium III's 100MHz bus. A faster bus means that everything runs faster memory, expansion slots, CPU and more. To top it off, they have added Level 1 cache (128KB total), as well as a large, programmable, high-performance L2 cache. It has a total of 512KB cache. It even enriches your Internet experience. The AMD Athlon processor delivers the ultimate performance for cutting-edge software applications.

software applications.

The Athlon provides next generation features for today's computer systems. The Athlon provides next generation features for today's computer systems. The AMD Athlon processor with 3DNow!™ Technology costs less than the Intel Pentium III. But there's more to a complete multimedia system than just the processor. The Athlon systems feature up to 256MB of high-speed SDRAM—the fastest memory available, large Ultra DMA 66 hard drive, TNT II AGP 3D video with 18MB, PCI wavetable sound card with 128 voice, and much more.

The new revolutionary 200MHz system bus delivers twice the peak bandwidth of today's 100MHz bus. This added power allows your systems to easily process Internet content from DSL/cable modems and it significantly enhances digital video imaging speed. Get the world's fastest PC — the Tiger/AMD Athlon 1GHz Ultra Pro PC!

Add A SYLVANIA Monitor!



Athion 3D Winbench99™ Performance BenchMark

Alhion 1000MHz 5535 Athlon 800MHz 4815 4220 a: AMD For AMD Test Configuration

SYSTEMS ALA-RIANCE CHOOSE FROM & SPECTACIJI AR TIGER / ATHLON SYSTEM

-		our litteriii e	PI HOIMOU	Park HIGH	t/ MILLON SIS	I MATERIAL	OUN LUY	FINITES
Hom #	CPU	8AM.	Hard Drive	CD-ROM	Video	Spoakers	Storage	Tiger Price
TS3-M-25F	AMD Athlon 650MHz	64MB PC 100	10GB UDMA	50X	3D AGP/8MB	Amplified		\$809.99
TS4-M-33F	AMD Athlon 650MHz	96MB PC 100	15GB UDMA	50X	3D AGP/8MB	Amplified	-	\$869.99
TS4-M-34J	AMD Athlon 700MHz	128MB PC 100	15GB UDMA	50X	nVidia Vanta With 16MB	Amplified		\$919.99
TS4-M-35G	AMD Athlon 750MHz	128MB PC 100	20GB UDMA	50X	nVidia Vanta With 16MB	Amplified	_	\$969.99
TS5-M-36B	AMD Athlon 800MHz	128MB PC 100	30GB UDMA	50X	nVidia Vanta With 16MB	Amplified w/Sub	CDRW	\$1249.99
TS5-M-37D	AMD Athlen 900MHz	192MB PC 100	40GB UDMA	DVD 3	TNT II With 32MB	Amplified w/Sub	Zip 100MB	\$1699.99
TS5-M-56A	AMD Athlon 1GHz	256MB PC 100	40GB UDMA	DVD 3	TNT II With 32MB	Amplified w/Sub	Zip 100MB	\$2199.99

programs available. Call for on-site installation. 'CD-ROM speeds are variable, maximum speeds are shown,' Optional Cable required. Sorry, we do not All systems include a 1-year appraisable Depot warranty. See www.bjendvect.com/warranty for entire policy. Copyright, 2000, TigerDirect. All trademarks K6, 30 Nowl, and combinations thereof, are registered trademarks of Advanced Micro Devices, Inc. Please call for full details on Tiger's Leasing programs. Ask about offer price protection in the event prices rise or fall. Call for wo

HOW TO ORDER: CALL OUR KNOWLEDGEARLE SALES STAFF

INT'L (305) 415-2201 CANADA: 800-888-6167

www.tigerdirect.com

SHOP WITH US ON-LINE! Www.tigerdirect.co

Our Web site new includes a PC Configurator—design year own computer and we'll build it to your exact specifications.

oralledged. Serry, but as prices are always changing an CPDs, we do not offer price protection in the event prices rise or fall. Not responsible for appropriate analysis to change. All systems include a one-year approximate the policy.





# The fastest family on the block.



#### Get blazing speed when you get a Gateway™ Select series PC, including the powerful 1 gigahertz Gateway Select 1000.

If you're looking for the ultimate in speed for your home PC, check out the Gateway Select series, featuring the Gateway Select 1000 PC. Powered by a blazing 1000MHz AMD Athlon™ processor, this PC leads the way in the series. Each Gateway Select PC delivers amazing speed at a price that's light on your wallet. Plus, you can custom-tailor your PC to your needs with the latest software and accessories. Visit us now at Gateway.com and get a gigahertz for your home.

#### Gateway™ Select 750

- · 750MHz AMD Athlon® Processor
- 64MR SDRAM
- EV700 17\* Monitor (15.9\* viewable)
- · 8MB AGP Graphics Card
- 15GB Ultra ATA Hard Drive
- 48X max/20X min CD-ROM Drive
- 3.5" Diskette Drive
- · Sound Blaster\* AudioPCI\* 128D
- Boston Acoustics\* BA265 Speakers
- 56K¹ PCI Voice Modern
- Mid-Tower Case
- · Microsoft\* Windows\* 98 Second Edition
- MS\* Works Suite 2000 Software
- 3-Year Limited Warranty

or as low as \$37/mo. for 48 mos. (APR 14.9%) **Gateway Select 800** 

- 800MHz AMD Athlon Processor
- 128MB SDRAM
- EV700 17\* Monitor (15.9\* viewable)
- 32MB NVIDIA\*\* RIVA TNT2\*\* M64
- 30GB Ultra ATA 66 Hard Drive
- 12X DVD-ROM Drive & MPEG2 Decoder
- 3.5" Diskette Drive
- Sound Blaster Live!™ Value Card w/ Digital Audio Output
- Boston Acoustics BA735™ Digital Speakers w/ Subwoofer
- 56K! PCI Voice Modern
- Mid-Tower Case
- MS Windows 98 Second Edition
- MS Works Suite 2000 Software

or as low as \$45/mo. for 48 mos. (APR 14.9%

#### **Gateway Select 900**

- 900MHz AMD Athlon Processor
- 128MB SDRAM
- EV910 19" Monitor (18" viewable)
- 32MB NVIDIA RIVA TNT2
- 30GB Ultra ATA 100 Hard Drive
- · 16X DVD-ROM Drive & MPEG2 Decoder
- · 3.5° Diskette Drive
- Sound Blaster Live! Value Card w/ Digital Audio Output
- Boston Acoustics BA735 Digital Speakers w/ Subwoofer
- 56K<sup>1</sup> PCI Voice Modem.
- · Mid-Tower Case
- · MS Windows 98 Second Edition
- MS Works Suite 2000 Software
- · 3-Year Limited Warranty

or as low as 999 \$56/mo. for 48 mos. (APR 14.9%

#### Gateway Select 1000

- · 1000MHz (1GHz) AMD Athlon Processor
- 128MB SDRAM
- · VX920 19" Monitor (18" viewable)
- · 32MB NVIDIA GeForce2 GTS\*\* DDR
- 45GB Ultra ATA 100 Hard Drive
- · 16X DVD-ROM Drive & MPEG2 Decoder
- · 3.5" Diskette Drive
- Sound Blaster Live! Value Card w/ Digital Audio Output
- Boston Acoustics BA735 Digital Speakers
- 56K<sup>1</sup> PCI Voice Modem
- Mid-Tower Case
- · MS Windows 98 Second Edition
- MS Works Suite 2000 Software
- · 3-Year Limited Warranty<sup>1</sup>

99 \$78/mo.' for 48 mos. (APR 14.9%

Includes Windows 98 Second Edition

the home version of the world's favorite software

CALL Gateway Direct =

1.800.255.5475

CLICK Gateway.com

www.gateway.com



Description of Control of Control

# **Looking for** someone who speaks your language?

#### Specialized Account Managers from MidWest Micro-They don't just know the computer business, they know your business.

Tired of salespeople who jabber on about joysticks when you need to talk networking? Then call MidWest Micro. We proudly offer Specialized Account Managers, who are not only trained computer experts - but are also well versed in your area of expertise! So whether you're purchasing PCs for a large corporate network, a small elementary school or your favorite high school graduate-you'll speak to exactly the right Account Manager on our team. Call your MidWest Micro Specialized Account Manager today to customize an AMD-based PC.



#### PJM-600d

#### Item #098672

- AMD® Duron 600 MHz processor
- 64 MB 133 MHz SDRAM
- 20 GB Ultra ATA Hard Drive
- 3D AGP Graphics Card (8 MB) 17\* (.25dp) Monitor (16" viewable)
- 48X Max CD-ROM Drive
- 56K V.90 Modem for Windows3
- PCI Wavetable Sound Card
- Cyber Acoustics CA-3060 Speakers with Subwoofer
- · 4-Bay Micro-Tower Case



#### PJM-1000a

Business Lease \$101/mo. (36 months) Item #098674

NEW! AMD® Athlon™ 1 GHz processor with Full-Speed On-Die Cache • 128 MB SDRAM

- 60 GB Ultra ATA Hard Drive nVidia® GeForce 256 4X AGP Graphics Card (32 MB)
- 19" (.25dp) Monitor (18" viewable)
- 8x4x32 CD-R/RW Drive
- 16X DVD-ROM Drive<sup>3</sup>
- 56K V.90 Modem for Windows3
- Sound Blaster Live! Value 512V Sound Card with Digital Audio Out
- Monsoon MH-500 Speakers with Subwoofer
- 7-Bay Mid-Tower Case

#### These Systemax. PCs ship with:

- 1 Year of CoolLink Internet Access Microsoft<sup>8</sup> Works Suite 2000 Word, Works, Money Standard, Encarta® Encyclopedia, Home Publishing, Expedia™ Streets Trips & Picture It! Express
- Choice of One Lifestyle Series
- Conversa® Voice Recognition Web Browser Softlink® Voice E-Mail & CA Headset with Mic
- Internet Enhanced Keyboard
- 3.5" Floppy Drive
- Microsoft IntelliMouse'
- Microsoft Windows® 98
- 5/3 Year Limited Warranty<sup>1</sup> & 7x24 Tech Support
- 1st Year In-Home Service

Includes Microsoft Windows® 98 Second Editionthe home version of the world's favorite software.

#### Lifestyle Series:

- \* Millennium Gamers Pandora's Box, Pinball Arcade, Midtown Madness & CART: Precision Racing
- Millennium Family DVD\* Links LS 2000, My Personal Tutor Preschool/Kindergarten, My Personal Tutor - Primary School & Creative Writer 2 (\*Requires a DVD-ROM drive)
- Millennium Sports Baseball 2000, NFL Fever 2000,
- Millennium Reference Encarta World Atlas, Encarta World Dictionary 2000 & Graphics Studios Greetings 2000

Visit our website to **Custom Configure** any Systemax PC



Pictured with Cyber Acoustics CA-3060 Speakers and 4-Bay Micro-Tower case

'For a complete copy of Guarantees, Limited Warranties or Service Policies, write MidWest Micro, Attn: Warranties, 6910 U.S. Route 36 East, Fletcher, OH 45326 or visit our web site at www.mwmicro.com \*CD-ROM and DVD-ROM speeds are variable. Maximum speed shown, "Maximum data transfer rate may vary due to the particular modern you are communicating with, telephone lines and communication protocols. Policy: No service charge for credit card orders. Prices are subject to change. Repair or replacement of defective products is at MidWest Micro's discretion. We are not responsible for errors in typography and photography. Original shipping and handling fees, as well as return shipping charges are non-refundable Prices do not include shipping or applicable sales tax. There are no returns for credit after 30 days.

All returns must be shipped in original packaging.



#### AMD BEST BUY

- Azza VIA MVP3 Chipset Motherboard (K6) or VIX KXV133 4X AGP Matherboard (ATHLON)
- 128 MB PC100 SDRAM
- 20 GE Ultra DNA 66 Hard Drive . NVIDIA RIVIN THTO MAA 32MB MGP Video Cord
- · 52X CD-ROM
- . YAMAHA 3D Wavetable Sound Card
- 120 Watt Power Stereo Speakers
   200M 56K V.90 Fax Modern w/ Speaker Phone
- Mitsumi I.44 MB Floppy Drive
   108 KEY Win/TB Keyboord & Internet Mouse
   Nedsom Tower Case w/ 250 Wort UL
- · Microsoft Windows 98 2nd Edition
- \* Lotus Smart Suite Millennium Edition
- 17" Cybervision C70 .27MM SVGA +S189 . One Year On Site Service +S29

AMD K6-2 3D NOW 550	\$ 645	CEBO
AMD K6-2 3D NOW 500	\$ 619	CE302
AMD ATHLON 900	\$ 989	CEBOS
AMD ATHLON 850	5 905	CE804
AMD ATHLON 800	5 849	CENOS
AMD ATHLON 750	\$ 819	CEBDA
AMD ATHLON 700	\$ 809	CE807

#### GAMER XTREME DVD

- FPGX 7KYA VIA KXVI33 4X AGF MAIN BOARD
- 256 MB PC133 SDRAM
- 30 GB 7200 RPM UhraHard Drive
- WVIDIA GEFORCE-2 GTS 32M8 DDR AGP Video Cord
- . 16X DVD-ROM
- . Creative Lab Sound Blaster Live Sound Card
- ALTEC LASING ACS 54 Subwoofer System
- 19" VIEWSONIC E790 .22MM SVGA Monitor
- . DIAMOND SUPRA SAK V.90 Fex Madem Milsomi 1.44 MB Flappy Drive
- PS2 Win98 Keyboard & Internet Mouse
- ATX Medium Tower Case w/ 300 Watt BL
   Microsoft Windows 98 2nd Edition
- . Lotus Sesart Suite Milloretium Edition
- e Dee Veer De She Service + 529

5 2189	(080)
5 2019	CD802
\$ 1899	CD803
\$ 1815	CD804
\$ 1759	CDBOS
\$ 1729	CD804
\$ 1719	CD807
	\$ 2019 \$ 1899 \$ 1815 \$ 1759 \$ 1729

#### ATHLON BEST BUY

- . FPOX 7KXA VIA KXVI33 4X AGP MAIN BOARD
- 128 MB PC133 SDRAM
- 20 GB Ultra DWA 66 Hard Dri
- . NVIDIA RIVA TNT2 M64 32M8 AGP Video Card
- · 16X DVD-ROM
- . AUREAL VOTEX A30 PCI 3D Wavetable Sound Card
- 240-Watt Power Sterea Speakers System
- . ZODM 56K V.90 Fex Modern w/ Yoice
- Mitseni T.44 MB Floppy Drive
   PS2 Wir98 Keyboard & Internet Mouse
- · Medium Tower Case w/ 250 Wart UL
- Microsoft Windows 98 2nd Edition
- Lotus Smart Suite Millennium Edition
- 17" Cybervision C7D .27MM SVGA +\$189 . One Year On Site Service +S29

AMD ATHLON 1GHZ	\$ 1329	CIS
AMD ATHLON 950 MHZ	\$ 1155	CIS
AMD ATHLON 900 MHZ	\$ 1039	CIR
AMD ATHLON 850	\$ 955	C19
AMD ATHLON 800	\$ 895	CIB
AMD ATHLON 750	\$ 865	CIB
AMD ATHLON 700	\$ 855	CIS

#### ATHLON LIGHTNING DVD

- . EPOX 7KXA VIA KXVI33 4X AGP MAIN BOARD
- ◆ 128 MB PC133 SDRAM
- \* 27 GB Ultra DMA 66 Hard Drive
- . NVIDIA GeFORCE 256 32M8 4X AGP Video Cord
- · Hardware DVD Decode
- · Creative Lab Sound Blaster | 28 Sound Card
- 450 WATT Subwoofer System
- 19" .26MM SVGA Monitor . ZOOM 56K V.90 Fex Modern w/ Voice
- Mitsumi 1.44 MB Floppy Drive
   PS2 Win98 Keyboard & Internet Mouse
- ATX Medium Tower Case w/ 250 Watt UL
   Microsolt Windows 96 2nd Edition
   Lotus Smart Suite Millennium Edition
- . One Year On Site Service +529

1 Sept. 10 S			
AMD ATHLON	1GHZ	\$ 1759	CH601
AMD ATHLON	950 MHZ	\$1589	CHEGO
AMD ATHLON	900 MHZ	\$ 1469	CH803
AMD ATHLON	850	\$ 1385	CH804
AMD ATHLON	800	5 1329	CHROS
AMD ATHLON	750	\$ 1299	CH806
AMD ATHLON	700	\$ 1279	CH807

#### AMD ATHLON SPECIAL !!!!!!!

- FPOX 7KKA VIA KXV133 4X AGP MAIN BOARD
- 128 MB PC133 SORAM
- 20 GB Uhro DMA 7200 RPM Hard Drive
- · ATI RAGE FURY PRO 32MB Video Cord w/ TV OUT & IN
- · Hordware DVD Decode
- 52X CD-ROM
- Creative Lab Sound Blaster Live Sound Card
- 450 WATT Subwoofer System
   17' VIEWSONIC E771 27MM SVGA Menitor
- . S&K V.90 Fax Modern w/ Voice
- Mitsumi 1.44 MB Flappy Drive PS2 Win98 Keyboard & Internet Mouse

- \* ATX Hedium Tower Cose w/ 250 West UL
- Microsoft Windows 98 2nd Edition
- . Letus Smort Suite Millennium Edition . One Year On Site Service +S29

AMD ATHLON 700

AMD ATHLON 1GHZ	\$ 1619	CA80
AMD ATHLON 950 MHZ	\$ 1439	CARO
AMD ATHLON 900 MHZ	\$ 1319	CABO
AMD ATHLON 850	\$ 1239	CA80-
AMD ATHLON 800	\$ 1179	CA805
AMD ATHLON 750	\$ 1149	CHRO

\$ 1139 CABOT







· Price subject to change without notice.



Athlon System Integrator



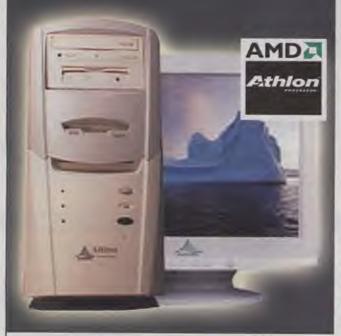
4802 Little John St., Baldwin Park, CA 91706 Tel: (626)813-7730 • Fax: (626)813-3810 Technical Support (877)876-4965 Hour: Mon-Fri 8:30A.M. ~ 6:00P.M. • Sat 9:30A.M. ~ 3:00P.M.



Now simply enter the "C-Value Code" on our web site to get the latest prices

ORDER TOLL FREE (800)707-0393

## World's Fastest PC **Under \$1800**



## PowerHouse 1000™

- AMD Athlon 1000MHz Processor
- Latest KT133 Based Athlon Chipset with 133MHz Memory support and 4X AGP
- Windows 98 Second Edition
- 128MB PC133 Micron Memory
- 50X EIDE CD-ROM
- 30GB Ultra-ATA 100 7200 RPM
- Sound Blaster Live! Value for incredible 3D surround sound
- Internet Ready with a 56K V.90 Fax Modem
- 32MB nVidia GeForce256 AGP Video.
- Surround Sound System with dual speakers and Subwoofer.
- Complete suite of business applictations including voice recognition, word processor, database, spreadsheet and various games.

REE Fingerprin Security Mouse A \$295 Value!

- 24/7 Free Onsite 1-Year Warranty

All for only \$1849

Welcome to Altima Solutions, where you can save BIG, buy a customized system ONLINE, receive it NOW, and get FREE 24/7 support and On-site Sevice.

#### PowerHouse 700"

- AMD Duron 700MHz Processor
- Latest KT133 Athlon Chipset
- Windows 98 Second Edition 64MB PC133 Micron Memory
- 50X EIDE CD-ROM
- 20.5GB Ultra-ATA 100 Hard Drive
- Sound Blaster PCI128 sound
- 56K V.90 PCI Fax Modem
- 32MB Diamond Stealth AGP
- Surround Sound System with
- dual speakers.
- Complete suite of business applications including voice recognition, word processor, database, spreadsheet and various
- 24/7 Free Onsite 1-Year Warranty.

#### PowerHouse 800"

- AMD Athlon 800MHz Processor
- Latest KT133 Athlon Chipset
- Windows 98 Second Edition
- 128MB PC133 Micron Memory
- 50X EIDE CD-ROM
- 20.5GB Ultra-ATA 100 Hard Drive
- Sound Blaster Live! Value sound
- 56K V.90 PCI Fax Modem 32MB GeForce256 AGP Video.
- Surround Sound System with
- and Subwoofer. Complete suite of business
- applications including voice recognition, word processor, database, spreadsheet and various
- 24/7 Free Onsite 1-Year Warranty

## Upgrade your PC

Complete upgrade bundles including:

- AMD Athlon processor
- Microstar KT133 133MHz, 4XAGP Motherboard with overclocking, hardware monitoring and diagnostic LEDs.
- Heavy duty Cooler Master heatsink/Fan

With Duron 650MHz: \$229

With Athlon 750MHz: \$319

With Athlon 800MHz: \$369

With Athlen 900MHz: \$569



Trade names and logos are the property of their respective owners. See Altima's website for complete details about available national services including installations, leasing and extended warranty. Altima Solutions, Div. of Altima Holdings Corp. 42217 Rio Nedo St. Temecula, CA, 92590



PCs for Business & Pleasure

Order online or call 1-888-784-7479

www.altima2000.com





#### It lives well within your means.

hp omnibook xe2 notebook

CDW product #221632: AMD-K6®-2/500 MHz processor / 32 MB SDRAM / 5 GB HD / 12.1" SVGA HPA display / 24x CD-ROM / 56 Kbps international, integrated modern / 4-8 MB video—shared with system memory / Sound Blaster compatible sound / Windows® 98





# www.suredeals.com

Ready to Rocket to 1GHz?

Suredeals.com is proud to bring to you the world's fastest PC Processor -The AMD Athlon! That's right, 1000MHz PCs are here! Purchase yours today on line @www.suredeals.com or call foll-free

1-877-787-3332



#### CUMETRIX Athlon 1GHz

- . AMD Athlon 1000MHz (1GHz) Processor
- + 256MB PC-133 SDRAM
- . 60GB Ultra DMA-66 EIDE Hard Drive
- . 19" 25mm SVGA Color Monitor
- . 12X DVD-ROM Drive
- . 1.44MB Floppy Drive
- · Diamond Multimedia SupraMax PCI 56K Voice/Fax/Modem
- . 32MB ATI Rage Fury Pro AGP Card
- . Creative Labs Sound Blaster Live! Value 3D Wavetable Sound Card
- + Creative Labs Cambridge SoundWorks Fourpoint Surround FPS1000 Speakers with Subwoofer
- · Microsoft Keyboard
- · Nicrosoft Mouse
- . Mid Tower Chassis with AMD Approved 300Watt Power Supply
- . Windows 98 Second Edition Included

#### CUMETRIX Athlon 900MHz

- AMD Athlon 900MHz Processor
- + 128MB PC-133 SDRAM
- 40GB Ultra DMA-66 EIDE Hard Drive
- 19" 25mm SVGA Color Monitor
- 8X4X32 CD-Rewritable Drive
- 52X Atapi Eide CD-8,0M Drive
- 1.44MB Floppy Drive
- Diamond Multimedia SupraMax PCI 56K Voice/Fax/Modem
- 32MB Diamond Multimedia Stealth III SS40 AGP Card
- . Creative Lahs Sound Blaster Live! Value 3D Wavetable Sound Card
- · Creative Labs Cambridge SoundWorks Fourpoint Surround FF\$1000 Speakers w/ Subwosfer
- Microsoft Keyboard
- Microsoft Mouse
- Mid Tower Chassis with AMD Approved 300Watt Power Supply
- Windows 98 Second Edition Included.

#### CUMETRIX Athlon 800MHz

- AMD Athlon 800MHz Processor
- + 64MB PC-133 SDRAM
- + 30GB Ultra DMA-66 EIDE Hard Drive
- + 17" .27mm SVGA Color Monitor
- + 52X Atapi Eide CD-ROM Drive
- + 1.44MB Floppy Drive
- Diamond Multimedia 56K Voice/Fax/Modem
- 32MB Nvidia Riva TNT2 Graphics Accelerator
- · Creative Labs Sound Blaster PCI
- 3D Wavetable Sound Card
- · Creative Labs Sound Blaster SBSS2 Speakers
- + Microsoft Keyboard
- Mid Tower Chassis with AMD Approved 250Watt Power Supply
- · Windows 98 Second Edition Included.

#### CUMETRIX Athlon 750MHz

- AMD Athlon 750MHz Processor
- 64MB PC-133 SDRAM
- 20GB Ultra DMA-66 EIDE Hard Drive
- 17" .27mm SVGA Color Monitor
- 52X Atapi Eide CD-ROM Drive
- 1.44MB Floppy Drive
- Diamond Multimedia 56K Voice/Fax/Modern
- BHB Diamond Multimedia Speed Star Graphics Card
- 4 Channel HRTF-base 3D Positional Sound Card
- Multimedia Amplifier Speaker System
- with Volume Control
- Enhanced Win98 Keyboard
- PS2 Mouse
- Mid Tower Chassis with AMD Approved 250Watt Power Supply
- Windows 98 Second Edition Included.

\$ 2499 #8180

\$ 1939 #8930

\$ 1 1 9 9 #8830

\$ 999



Call 1 - 877 - 787 - 3332

www.suredeals.com www.cumetrix.com

All prives and availability of any product sold by Cametris are a subject to correction. Remains do not include slapping or sales tax. Typographic errors are subject to correction. Remains do not include return freight or original shapping and handling charges. All trade names/trademarks are the properties of their arespective owners. Cametris accepts VISA, MasterCauel, Discover and American Express. Money Order, Bank Certified and personnel check for all guardates, personal sheeks, with allay shapement up to 5 days for find clearance. Purchase order are accepted from government agencies, affiliates and Fortune 1000 companies. All shipments to California are subject to 8.25% sale tax. I Year Parts & Labor Werrants



## AMD World's Fastest CPU





## World's Fastest GPU



#### cnet

## RS6000



- AMD Athlon Ready Motherboard 200MHz FSB and UDMA-66 Support
- 128MB SDRAM
- 15 GB UDMA-66 Hard Drive

## 50X CD ROM Add CD Re-writtable 4X4X32 for \$169

- Nvidia GEFORCE 256 3D DVD 32MB Motorola PCI 56K V.90 Voice Modem.
- 17" 0.27dp Digital Controlled Monitor
   PCI 3D Wavetable Stereo Sound
- MLI-460 450W Speakers w/Subwoofer
- · Deluxe Windows 98 Keyboard
- · Microsoft Windows 98 Second Edition
- · Lotus Smartsuite Business Software
- · 300W Power Supply

#### AMD Athlon" Processor at 700 MHz \$999 RISSI

\$1,039 800 MHz \$1,099 \$1,179 900 MHz \$1,299 850 MHz \$1,469 1000MHz \$1,689 950 MHz

The system's incredible 62.5 framesper-second score in Quake III matches the speed of better-equipped, higherpriced PCs...the RS 6000 bested every other system in business applications tests, too. This is the fastesi sub-\$1,000 PC we've tested.

Ms. Julie Polito, June 2000 🛛 💏



### VS6000

- AMD Athlon Ready Motherboard
- 200MHz FSB and UDMA-66 Support
- 64MB SDRAM
- 20 GB UDMA-66 Hard Drive
- 50X CD-ROM

- Add CD Re-writtable 8X4X32 for \$239

  Nvidia RIVA TNT2 M64 DVD Ready 3D 32MB Upgrade to GEFORCE 256 32MB for \$99

  15" 0.28dp Digital Controlled Monitor
  Motorola PCI 56K V.90 Voice Modem
- PCI 3D Wavetable Stereo Sound
- MLI 120W PMPO Speakers
- Deluxe Windows 98 Keyboard
- Microsoft Windows 98 Second Edition
- Lotus Smartsuite Business Software
- 300W Power Supply

#### AMD Athlon" Processor at \$839 ... 700 MHz

750 MHz \$869 800 MHz \$929

850 MHz \$1,009 950 MHz \$1,289 1000MHz \$1,519

900 MHz \$1,119

#### VS8000

- · AMD Athlon Ready Motherboard
- 200MHz FSB and UDMA-66 Support
- 128MB SDRAM
- 30 GB UDMA-66 Hard Drive
- 10X DVD-ROM

#### Add Iomega 250MB ZIP for \$125

- Nvidia GEFORCE 256 3D 32MB AGP
- 17" 0.27dp Digital Controlled Monitor
   Motorola PCI 56K V.90 Voice Modern
- PCI 3D Wavetable Stereo Sound
- MLI-460 450W Speakers w/Subwoofer Deluxe Windows 98 Keyboard
- Upgrade to Microsoft Internet KB for \$20
- Microsoft Windows 98 Second Edition Lotus Smartsuite Business Software
- 300W Power Supply

## AMD Athlon" Processor at

#### \$1,169 750 MHz

700 MHz \$1,139 800 MHz \$1,229

850 MHz \$1,309 900 MHz \$1,429 950 MHz \$1,599 1000MHz \$1,819

### V\$9000

- AMD Athlon Ready Motherboard
- 200MHz FSB and UDMA-66 Support
- 128MB SDRAM
- 40 GB UDMA-66 7200 RPM Hard Drive
- 10X DVD-ROM
- Nvidia GEFORCE 2 GTS DDR 3D DVD 32MB w/TV Out
- US Robotics PCI 56K V.90 Voice Modem
- Creative SoundBlaster Live Value
- 19" 0.26dp Digital Controlled Monitor
- Altec Lansing ACS-54 4-Ch Spkrs w/Subwoofer
   Multimedia Windows 98 Keyboard
- Microsoft Intelli Mouse w/Wheel
- Full Tower case w/300W Power Supply Microsoft Windows 98 Second Edition
- Lotus Smartsuite Business Software

#### AMD Athlon" Processor at \$2,299 1000 MHz

700 MHz \$1,619 750 MHz \$1,649

800 MHz \$1,709 850 MHz \$1,789 900 MHz \$1,899 950MHz \$2,069

#### VISIT OUR WEBSITE TO CUSTOMIZE YOUR COMPUTER



1302 John Reed Court, City of Industry, CA 91745 Tel: 626-336-6899 • Fax: 626-336-6569 Business Hour: Mon-Fri 8:30AM-5:30PM Pacific Time Toll Free Technical Support: 877-336-6898









ATLAS MICRO LOGISTIC INC.

(800) 336-6898 • www.buy-atlas.com

## customize your dream machine @ vegapc.com

- 18 Years of Experience in Direct Mail Order.
- · Free Technical Support on all Vega Computers



- Friendly personal service with every customer
- · Corporate, School, and Government PO's Welcome

OR CALL TOLL FREE: (877) 893-VEGA / (877) 893-8342

## **Desktop Computers**

THE LAST COMPUTER YOU WILL EVER BUY...





.. VEGA SYSTEMS **UPGRADABLE** EXPANDABLE AFORDABLE

#### 650MHz AMD Duron Processor

- 64MB SDRAM
- 8MB ATI AGP Graphics
   15GB Ultra ATA Hard Drive
   48s max CD-ROM Drive

- 3.5" Biskette Drive
   56K PCI V 90 Modem
   32Bit A3D PCI Sound Card
- ATX Mid tower Clase (Fully Upgradenble) Microsoft Works Suite 2000 Software Microsoft Windows 98 Second Edition
- 3-Year Limited Warranty
- · Monitor sold separately



AMDE for only \$79900

#### 750MHz AMD Athlon Processor

- 128MB SDRAM
- 8MB ATI AGP Graphics 20GB Ultra ATA Hard Drive 48x max CD ROM Drive

- 32Bit A3D PCI Sound Card ATX Mid-tower Case (Fully Upgradeable) Microsoft Works Suite 2000 Software Microsoft Windows 98 Second Edition
- 3-Year Limited Warranty
- Monitor sold sensorated



MODEL

5560

AMDA for only \$94900

#### 900MHz AMD Athlon Processor

- 128MB SDRAM 32MB ATI AGP Graphics 27GB Ultra ATA Hard Drive
- Built-in DVD/CD-ROM Drive 3.5\* Floppy Diskette Drive 56K PCI V.90 Modem
- 32Bit A3D PCI Sound Card
- ATX Mid-tower Case (Pully Upgradeable)
   Microsoft Works Suite 2000 Software
   Microsoft Windows 98 Second Edition

MODEL

5570

AMDZI for only \$182900

#### 1000MHz AMD Athlon Processor

- 128MB SDRAM 32MB ATI AGP Grapt
- 36GB Ultra ATA Hard Drive Bullt in DVD & CDRW Drives 3.5° Floppy Diskette Drive 56K PCI V.90 Modem

- Sound Blaster Live 512 Bit Sound Card ATX Mid-tower Case (Fully Upgradenble) Microsoft Works Suite 2000 Software Microsoft Windows 98 Second Edition

AMDA for only

\$249900

#### Back-to-School **Discounts** Student

#### 600MHz AMD Duron Processor

5565

- 64MB SDRAM
- · SMB ATI AGP Graphics
- 15GB Ultra ATA Hard Drive
- · 48x max CD-ROM Drive
- · 3.5" Floppy Diskette Drive
- 56K PCI V.90 Modem
- · 32Bit A3D PCI Sound Card
- 10/100 Ethernet Network Card
- · ATX Mid-tower Case (Fully Upgradeable) · Microsoft Works Suite 2000 Software
- Microsoft Windows 98 Second Edition
- 15" Monitor (14" viewable)
- · 3-Year Limited Warranty



AMDE for only \$99900

#### 700MHz AMD Duron Processor

- 128MB SDRAM
- 8MB ATI AGP Graphics
- 15GB Ultra ATA Hard Drive
- 48x max CD-ROM Drive
- · 3.5" Floppy Diskette Drive
- 56K PCI V.90 Modem
- 32Bit A3D PCI Sound Card
- 10/100 Ethernet Network Card
- ATX Mid-tower Case (Fully Upgradeable)
- Microsoft Works Suite 2000 Software
- · Microsoft Windows 98 Second Edition
- 15" Monitor (14" viewable)
- · 3-Year Limited Warranty



AMDE for only 109900

#### 800MHz AMD Athlon Processor

7580

• 128MB SDRAM

7590

- **SMB ATI AGP Graphics**
- 15GB Ultra ATA Hard Drive
- 48x max CD-ROM Drive
- 3.5" Diskette Drive 56K PCI V.90 Modem
- Sound Blaster Live 512 Bit Sound Card
- 10/100 Ethernet Network Card
- · ATX Mid-tower Case (Fully Upgradeable)
  - Microsoft Works Suite 2000 Software
- · Microsoft Windows 98 Second Edition
- 15" Monitor (14" viewable)
- · 3-Year Limited Warranty



AMDE for only



### Notebook Computers

- 64MB SDRAM
- 2MB of Video Memory 6GB Ultra ATA Hard Drive
- 3.5" Floppy Diskette Drive
   32Bit PCI Sound Card
- · 24x max CD-ROM Drive
- Microsoft Works Suite 2000 Software
- Microsoft Windows 98 Second Edition
- Deluxe Carrying Case Included
   3-Year Limited Warranty
- - for only \$129900
- 433MHz Processor Notebook Upgrade:
  - Notebook Computer . Active Matrix 12,1" Screen 4MB of Video Memory
     Lithium-Ion Battery Included
    - add \$24900

## Networking Computers - Corporate Sales

VOLUME DISCOUNTS - FAST TECHNICAL SUPPORT - CUSTOM INSTALLATIONS LOW COST LEASING/FINANCING PERSONAL ACCOUNT REPRESENTATIVES

ega making address is 12986 McNutty Rd. Suke 107/108 - Philadelchia, PA 19184 Vega sperating hours are, Mon-Pri from 9am to 8pm 8-Sunsay, for unchase peter from achroids and government institutions. Price and specifications are subject to change without notice. Phasis chick availability belon or not include local and staff trains where applicable, not does the prices include siteping and handling costs. Microsoft Windows NT and without and the provision of the prices include siteping and handling costs with any inquiries. Vega the last support hours are; Mon-Fri from 9am to 8pm 8. Sunday from 10am to 9pm We honor all major credit cards, personal checks, and we gladly accept gas without notice. Pressu check availability before placing your order. All tubalements are properties of their respective companies. Prices in goods. Microsoft Windows, Windows NT and Works are responsed independents of Microsoft Corp. Press of the 10-14 business days for contact us with any inquiries. Vega tech support number is (877) GET-VEGA (877-428-8342) or confect our website it vegato.com

## 888-482-6678 www.nutrend.com



"The Athlon Ultra performance is blistering. Conventional business applications are child's play, while truly demanding software--which is to say, games--run with a commendable smoothness and ease. It feels far more like a cost-is-no-object system than one that sells for well under \$2,000."

Computer Buyer's Buide, May 2000

#### PC WORLD

"The PC World Best Buy is one of the most sought after honors in high technology, and it is one of the hardest to win... America's toughest panel of experts, have singled out your product as one of the best in the field." - PC World

April 2000 Maestro GE May 2000 Sierra LE June 2000 Athlon Mega

- . Computer Shopper Best Buy & Top 100 Products of the Year - 1999
- . Computer Buyer's Guide Best Buy (4 Times)
- . CNET Top 5 PC

#### Athlon Ultra

128MB Fast SDRAM Memory

30GB Ultra ATA56 Hard Drive

19" .26 SVSA Color Monitor, PnP 1600x1200

12X DVD-ROM Drive

Add \$189

nVidia GeForce 256 32MB AGP Video Card SoundBlaster Live! Value 3D Wavetable Sound Card Creative Labs Cambridge SoundWorks FourPoint Surround FPS2000 5-Piece Speaker System

3Cem USR 56K V.90 Fax Modern w/Voice Mail Optional One-Year On-site Service @\$29

Recommended Upgrade: 8x4x32 CD Rewritable Drive

ATHLON 700MHz #4812 \$ 149

750MHz avair \$1529 950MHz avair \$1939 850MHz aura \$1669 1000MHz aura \$2149 Athlon Mega 1

128MB Fast SDRAM Memory

20GB Ultra ATA66 Hard Drive

17" .27 SVGA Color Monitor, PnP 1280x1024

10X DVD-ROM Driver

ATI Xpert 2000 32MB AGP Video Card 1920x1200x16.7Million Color

SoundBlaster PCI128 3D Wavetable Sound Card Lastec 2414 Speakers w/Subwoofer

ZOOM SEK V.90 Fax Modern w/Voice Mail Optional One-Year On-site Service @\$29

Recommended Upgrade:

Altec Lansing ACS54 Speakers w/Subwoofer

ATHLON 700MHz MAGZZ \$114

750MHz augz \$1179 850MHz augz \$1309 800MHz avera \$1229 900MHz avera \$1419 Athlon Mega 2

128MB Fast SDRAM Memory 20GB Ultra ATASS Hard Drive

19" .26 SVGA Color Monitor, PnP 1600x1200

10X DVD-ROM Drive

New ATI Rage Fury Pro 32MB AGP Video Card w/Hardware DVD, Video-In/Out

SoundBlaster Live! Value 3D Wavetable Sound Card After Lansing ACS45.2 Speakers w/Subwoofer

Z00M 56K V.90 Fax Modern w/Voice Mail Optional One-Year On-site Service @\$29

Recommended Upgrade:

SoundBlaster Livel Platinum 3D Sond Card Add \$119

ATHLON 700MHz #A832 \$1329

750MHz aug \$1359 850MHz aug \$1489 800MHz aveza \$1409 900MHz aveza \$1589

#### Athlon Special

20GB Ultra ATABS Hard Drive

17" 27 SVGA Color Monitor, PnP 1280x1024 10X DVD-ROM Drive

ATI Xpert 2000 32MB AGP Video Card

1920x1200x16.7Million Color Creative Ensonig 3D Wavetable Sound Card

Labtec 2414 Speakers w/Subwoofer

ZOOM 56K V.90 Fax Modern w/Voice Mail

Optional One-Year On-site Service @\$29

Recommended Upgrade:

19" .26 SVGA Color Monitor, PnP 1600x1200 Add \$139

ATHLON 700MHz MARSZ \$11

750MHz augs \$1169 850MHz augs \$1299 800MHz auss \$1219 900MHz auss \$1399

NuTrand System Includes • 1.44MB Floppy Driva • 104-Key Keyboard • Desktop Microphone • PS/2 Mouse w/Ns/Trend Mouse Pad • Microsoft Windows 98 SE • Corel WordPerfect Office 2000 + Groller's Multimedia Encyclopedia

#### Athlon Force

64MB Fast SDRAM Memory

10GB Litra ATA66 Hard Drive

17" 27 SVGA Color Monitor, PnP 1280x1024 52X CD-ROM Drive

ATI Xpert 2000 32MB ASP Video Card

1920x1260x16.7Million Color

Creative Ensonio 3D Wavetable Sound Card Labtec 2414 Speakers w/Subwoofer

200M 56K V.90 Fax Modern w/Voice Mail

Optional One-Year On-site Service @\$29

Recommended Upgrade: New ATI Rage Fury Pro 32MB ASP Video Card

ATHLON 700MHz \*AB62 \$979

750MHz ..... \$1009 850MHz .... \$1139 800MHz anna \$1059 900MHz anna \$1249 NuTrend System Includes + 1.44MB Floppy Drive + 104-Key Keyboard + Desktop Microphone + PS/2 Mouse in/NuTrend Mouse Poid + Micropot Windows Sis SE + Corel WordPerfect Office 2000 + Groller's Multimedia Encyclopedia

#### **Duron Power 1**

128MB Fast SDRAM Memory 10GB Littra ATA66 Hard Drive

17" .27 SVGA Color Monitor, PnP 1280x1024

52X CD-ROM Drive ATI Rage 128 16MB AGP Video Card

1600x1200x16.7Million Color Creative Ensonic 3D Wavetable Sound Card

Labtec 2414 Speakers w/Subwoofer 200M SSK V 90 Fax Modern w/Voice Mail

Optional One-Year On-site Service @\$29

Recommended Upgrade; 10X DVD-ROM Drive

Add \$60

DURON 600MHz #ABS! 650MHz ..... \$999 700MHz .... \$1029

**Duron Power 2** 

128MB Fast SDRAM Memory 10GB Ultra ATABS Hard Drive

17" .27 SVGA Color Monitor, PnP 1280x1024 10X DVD-ROM Drive

ATI Xpert 2000 32MB AGP Video Card 1920x1200x16.7Million Color Creative Ensonig 3D Wavetable Sound Card

Lablec 2414 Speakers w/Subwoofer 200M 56K V 90 Fav Modern w/Voice Mail Optional One-Year On-site Service @\$29

Recommended Upgrade: 100MB Internal Zip Drive A44 579

DURON 600MHz WARPE

**\$10** 650MHz .... \$1069 700MHz ... \$1099 K6-2 Special 64MB Fast SDRAM Memory

10GB Ultra ATA66 Hard Drive

15" .28 SWGA Color Monitor, PnP 1024x860

52X CD-ROM Drive

ATI Xper 96 8MB AGP Video Card 1600x1200x16.7 Million Color

Creative Ensonig 3D Wavetable Sound Card

Labtec 1050 Speakers

200M SRK V.90 Fax Modern w/Voice Mail Optional One-Year On-site Service @\$29

Recommended Upgrade:

17" .27 1280x1024 SVGA Color Monito Add \$69

K6-2 500MHz #AUPS 533MHz .... \$749 550MHz .... \$759

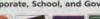


## www.nutrend.com

- · Lifetime Toll-Free Technical Support
- . 3 Years Limited Parts /Lifetime Labor Warranty
- +30 Days Money Back Guarantee
- . Corporate, School, and Government POs Welcome . Technical Support: 888-525-5181
- . Sales Hours: Mon-Fri 7:00AM-7:00PM PST
- . Sat 9:00AM-3:00PM PST
- . Tel: 562-692-4462 Fax: 562-699-8713

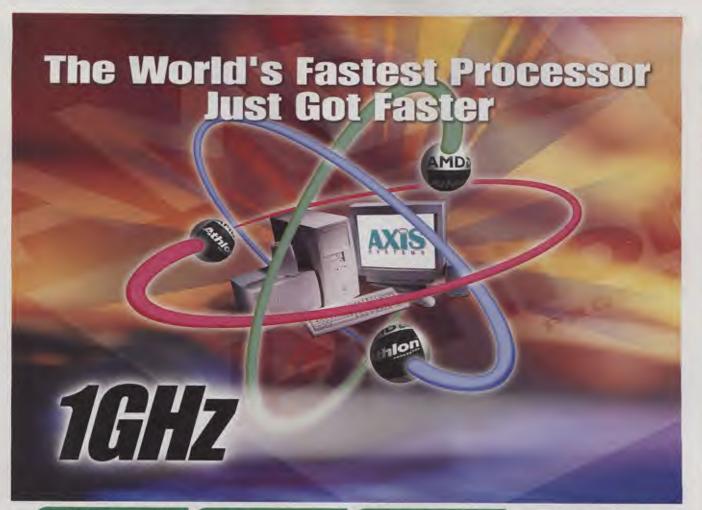


Connecting You with The Future





to change various reference, points, or special reductionalists. Or grant adapting one functions to ealing with trains shapping along a function of the control of the cont



#### AXISTERRAAXE-2

- AMD Athlon™ Processor 750MHZ w/Enhanced Cache
- 128MB SDRAM
- 10.0GB Ultra DMA Hard Drive 200MHz Front Side Bus, 256K On-die High-Speed L2 Cache
- 44MB 3.5" Floppy Drivi
- · Nvidia TNT-2 Vanta 16MB AGP 3D **Graphics Accelerator**
- 52X Max CD-ROM Drive
- PCI 3D Wavetable Audio
- Creative Labs SBS35 Speakers
- 56K V.90 PCI Voice/Fax/Data Moden
- Axis 17" .27 1280X1024 Monitor
- Microsoft Windows 98, 2nd Edition
- 104 Keyboard, PS/2Mouse
- + 3 Year Parts & Labor Warranty
- . 1 Year On-Site Service, Lifetime Tall Free 24/7 Tech Support

Athlon Processor 700MHz S969 Athlon Processor 800MHz \$1069 Athlon Processor 850MHz S1129 Athlon Processor 900MHz S1229 Athlon Processor 950MHz S1429 Athlon Processor 1GHz S1629

#### AXISTERRAAXE-4

- · AMD Athlon™ Processor 850MHZ w/Enhanced Cache
- 128MB SDRAM
- 20.06B Ultra ATA/66 Hard Drive, 7200RPM
- \* 200MHz Front Side Bus, 256K On-die High-Speed L2 Cache + 1.44MB 3.5" Floppy Drive
- Nvidia TNT-2 Vanta 16MB AGP 3D **Graphics Accelerator**
- + 52X Max CD-ROM Drive
- PCI 3D Wavetable Audio
- Creative Labs SBS35 Speakers
- 56K V.90 PCI Voice/Fax/Data Modern
- Axis 17" .27 1280X1024 Monitor
- Microsoft Windows 98, 2nd Edition
- < 104 Keyboard, PS/2Mouse
- \* 3 Year Parts & Labor Warranty
- . 1 Year On-Site Service, Lifetime Toll Free 24/7 Tech Support

Athlon Processor 700MHz S1039 Athlon Processor 750MHz S1069 Athlon Processor 800MHz S1139 Athlon Processor 900MHz S1299 Athlon Processor 950MHz S1499 Athlon Processor 1GHz S1699

#### AXISTERRAAXE-6

- AMD Athlon™ Processor 1GHZ w/Enhanced Cache
- 128MB SDRAM
- + 30.0GB Ultra ATA/66 Hard Drive, 7200RPM
- 200MHz Front Side Bus, 256K On-die
- High-Speed L2 Cache 1.44MB 3.5" Floppy Drive
- Nvidia TNT-2 32MB AGP 3D Graphics Accelerator
- 52X Max CD-ROM Drive
- + PCI 3D Wavetable Audio
- Creative Labs SBS35 Speakers
- 56K V.90 PCI Voice/Fax/Data Modern
- Axis 17" .27 1280X1024 Monitor
- \* Microsoff Windows 98, 2<sup>nd</sup> Edition
- 104 Keyboard, PS/2Mouse
- 3 Year Parts & Labor Warranty
- 1 Year On-Site Service, Lifetime Toll Free 24/7 Tech Support

Athlon Processor 700MHz \$1139 Athlon Processor 750MHz \$1169 Athlon Processor 800MHz S1239 Athlon Processor 850MHz \$1299 Athlon Processor 900MHz \$1399 Athlon Processor 950MHz S1599



call Toll-Free 1-800-378-9014

**Customize** your system at www.axissvs.com









Business Hours: Sales: Mon-Fri, 6am-8pm PST, Sat, 7am-5pm PST, Sun, 9am-5pm Support: 24Hours/7 Days

> 1134 N. Gilbert Street Anaheim, CA 92801

02000 Axis Systems Inc. Pictures may differ from actual products. Prices and specifications are subject to change without notice. All trademarks & logos are registered to their respective owners. Not responsible for any typographical errors



#### HP E-VECTRA D9898T

# An IS-Friendly Workstation

EWLETT-PACKARD CO. HAS A LONG-STANDING REPUTATION FOR manufacturing reliable systems for the corporate workplace. The company's latest endeavor in this field is its line of diminutive e-Vectra desktop PCs.

Like many systems designed for the corporate environment, the e-Vectra line offers a limited number of options. In fact, the only changes you can make are to add a display, an external USB floppy drive, and an extended warranty. For this review, we looked at the D9898T, which contained a 600MHz Pentium III, 128MB of SDRAM, an 8.4GB hard drive, and a 24x CD-ROM drive. The base system sells for \$999, or \$1,248 when you factor in the optional \$249 17-inch HP71 monitor. (For the ultimate in desk-space-saving packages, HP's L1500 flat-panel display adds \$1,049 to the system cost.)

The e-Vectra's graphics come courtesy of its Intel 810e chip set. With 128MB of system memory on tap, HP wisely parceled 11MB of it to be shared by the graphics subsystem, compared with the paltry 4MB typically assigned to 810-based systems.

Whereas Windows NT was the traditional operating system of choice for the workplace, newer corporate PCs have switched over to Windows 2000. The e-Vectra comes loaded with Windows 2000, and while its core CPU performance plants the system

firmly in the 600MHz processor range, the e-Vectra racked up an impressive 29.8 Business Winstone 99 score-which is closer to 700MHz Pentium III territory on a Windows 98 machine.

Special notice should be taken of the Business Disk WinMark 99 result of 5,620 scored by the e-Vectra's 8.4GB Quantum hard drive; it's among the best scores we've seen. The graphics engine, on the other hand, is still not up to par with the latest generation of graphics accelerators, but it should be fast enough for just about any mainstream business app you need to run.

As much as a computer is about performance, a system designed for corporate



environments has other considerations as well. One of the primary ones, after the initial cost, is serviceability. The e-Vectra is one of the most serviceable workstations we've had the pleasure to disassemble. For security, the hard drive is locked in a small compartment at the top of the case. Unlock it with the included key, and the top slides off, allowing you to easily lift out the drive once you've disconnected the data and power cables.

Remove two screws, and the outer case and inner chassis of the 3.5x9.5x10-inch (HWD) desktop unit slide apart. (You can also stand the system sideways in a tower configuration.) The CD-ROM drive slides

out of its bay, and the chassis and motherboard form their own subsystem. An IS department with spare parts on hand could totally rebuild an e-Vectra in under 20 minutes.

But you can always take advantage of the optional \$69 three-year nextday onsite repair plan instead. The standard warranty covers parts and labor for three years, but the system

> must be returned for repair. For another \$99, you can extend the standard depot

\*\*\* RATED 1 TO 5 STARS Small footprint; easily serviceable: excellent application performance No expansion slots

SYSTEM: HP e-Vectra D9898T

COMPANY:

Hewlett-Packard Co. Palo Alto, CA 800-752-0900, 650-857-1501 www.hp.com AS TESTED: 600MHz Pentium III; 128MB SDRAM; 8.4GB hard drive; 24x CD-ROM drive; integrated Intel 810e graphics chip using 11MB of system memory; optional 17-inch HP71 monitor, integrated Cirrus Logic sound chip; integrated 3Com Fast EtherLink 10/100Mbps network interface; Windows 2000; HP TopTools; additional software

MFR. EST PRICE: \$1,248



For real-time pricing, go to priceit zanet, com and enter numb

service to last the life of the system. Technical support is available 24 hours daily, but the call is a toll call. The system is Wired for Management 2.0-compliant, and it also ships with both HP's TopTools and DiagTools remotemanagement utilities.

What you won't find inside the e-Vectra are expansion slots. HP's concept for this system is almost one of an appliance. You could change the CPU, but it wouldn't be cost-effective. You could add more memory, but you'd need to first remove the current DIMM module from the only socket.

Innovation in business systems has long been a hallmark of Hewlett-Packard, and the HP e-Vectra D9898T is a novel concept in workstations. Small, cost-effective, manageable, and easily serviceable, the e-Vectra is bound to make a big impact on IS departments looking for a new platform for their workforce. -Bill O'Brien

As we went to press, Computer Shopper learned that, due in part to Intel's ramping down production of some of its processors, HP expected to change its lineup of e-Vectra PCs. As of July 1, the line will consist of two models: one based on a 566MHz Celeron processor and another based on a 733MHz Pentium III. Pricing had yet to be announced.

# customize.

[the system, the price, both.]

Dell4me™ is all about helping you get the most out of your PC. Here are some of the latest services and resources designed for business, pleasure, and education that we're putting behind our pledge:

INTEL\* PENTIUM\* III PROCESSORS up to 1GHz. For pure processing power on our Dell™ Dimension™ desktops. Supplies are limited, don't get left in the dust. And now 750MHz of processing power is available on Inspiron™ notebooks — details at www.dell4me.com

DELL MOVIE STUDIO. The magic of the movies made easy. Capture, create, and share movies using the factory-installed 1394 Card with MGI VideoWave\* III Digital Video Editing Software, Dell Edition. Available on select Inspiron and Dimension systems - www.dell4me.com/moviestudio

AT-HOME SERVICE. Next-Business-Day Service' is available with every Dell Home System. If you have a problem, call 24x7 for a tech to troubleshoot with you over the phone. If hardware support is needed after phone-based troubleshooting, a technician can be sent to your home or wherever you may be when you're on the road with our Inspiron notebooks.

PAYMENT OPTIONS. Each of our customers has different needs. So when you're ready to buy, Dell4me offers several payment options designed to fit your specific budget.



#### DELL" NOTEBOOKS:

#### DELL" INSPIRON" 3800

#### Design and Affordability

- Intel® Celeron® Processor at 500MHz
- 12.1" SVGA Active Matrix Display
- 32MB 100MHz SDRAM
- # 4.8GB' Ultra ATA Hard Drive
- Modular 24X Max CD-ROM
- 2X AGP 8MB ATI RAGE Mobility"-M1 3D\* Video
- 53WHr Lithium Ion Battery with
- ExpressCharge "Technology

  MS\* Works Suite 2000 = MS\* Windows\* 98, SE
- 1-Yr Limited Warranty\*
- 1-Yr Next-Business-Day On-site Service\*

\$1449 @ 6-VALUE CODE 05844-800714

As low as \$40/Mo\_ for 48 Mos."

#### DELL" INSPIRON" 5000

#### Performance and Mobility

- Intel® Pentium® III Processor at 650MHz Featuring Intel® SpeedStep™ Technology™
- # 14.1" XGA TFT Display
- 32MB 100MHz SDRAM
- 6.0GB<sup>o</sup> Ultra ATA Hard Drive
- Modular 24X Max CD-ROM
- 2X AGP 4MB ATI RAGE Mobility"-P 3D\* Video
- 52WHr Lithium Ion Battery
- Internal V.90 56K Capable FaxModem
- MS\* Works Suite 2000 MS\* Windows\* 98, SE
- 3-Yr Limited Warranty?
- 3-Yr Next-Business-Day On-site Service\*

As low as \$55/Mo, for 48 Mos.

#### DELL" INSPIRON" 7500

#### Mobile Desktop

- Intel® Pentium® III Processor at 650MHz Featuring Intel® SpeedStep™ Technology™
- 15.4" Super XGA TFT Display
- 96MB 100MHz SDRAM
- 12GB¹ Ultra ATA Hard Drive
- Removable Combo 24X Max CD-ROM with Floppy Drive
- 2X AGP 8MB ATI RAGE Mobility"-P 3D\* Video
- 79WHr Lithium Ion Battery
- Internal V.90 56K Capable® FaxModem
- MS\* Works Suite 2000 MS\* Windows\* 98, SE
- 3-Yr Limited Warranty<sup>2</sup>
- 3-Yr Next-Business-Day On-site Service\*

2799 @ E-VALUE CODE 05844-800727

As low as \$76/Mo., for 48 Mos."

# DELL™ DESKTOPS:

# DELL" DIMENSION" L Series

## Affordable Desktop Solution

- Intel® Celeron® Processor at 500MHz
- 64MB SDRAM
- 7.5GB\* Ultra ATA Hard Drive
- 15" (13.8" vis) E550 Monitor
- Intel® 3D® AGP Graphics
- # 48X Max CD-ROM Drive
- SoundBlaster 64V PCI LC Sound Card
- PC Speakers
- V.90 56K Capable\* PCI DataFax Modem for Windows\*
- MS\* Works Suite 2000 MS\* Windows\* 98, SE
- 3-Yr Limited Warranty\* 1-Yr At-Home Service\*

99 @ E-VALUE CODE 05844-500707

As low as \$22/Mo., for 48 Mos."

# DELL" DIMENSION L'Series

## Affordable Desktop Solution

- Intel® Pentium® III Processor at 667MHz
- 64MB SDRAM
- 7.5GB Ultra ATA Hard Drive
- 15\* (13.8" vis) E550 Monitor
- Intel® 3D® AGP Graphics
- 48X Max CD-ROM Drive
- SoundBlaster 64V PCI LC Sound Card
- PC Speakers
- V.90 56K Capable PCI DataFax Modern for Windows®
- MS\* Works Suite 2000 MS\* Windows\* 98, SE
- 3-Yr Limited Warranty\* 1-Yr At-Home Service\*

899 @ E-VALUE CODE 05844-500708

As low as \$25/Mp\_ for 48 Mos.17

# DELL" DIMENSION" XPS T Sinies

## High Performance, Great Value

- Intel® Pentium® III Processor at 700MHz
- 128MB SDRAM
- 20GB<sup>9</sup> Ultra ATA Hard Drive
- 17\* (16.0" vis, .26dp) M781 Monitor
- 32MB NVIDIA GeForce AGP Graphics Card
- 48X Max CD-ROM Drive
- SB Livel Value Digital Sound Card
- Altec Lansing® ACS-340™ Speakers with Subwoofer
- V.90 56K Capable\* PCI Telephony Modern for Windows\*
- MS\* Works Suite 2000 MS\* Windows\* 98, SE
- 3-Yr Limited Warranty = 1-Yr At-Home Service

499 @ E-VALUE CODE 05844-500714

As low as \$41/Mo., for 48 Mos."

# DELL DIMENSION XPS & Serie

### Cutting-Edge Technology

- Intel® Pentium® III Processor at 933MHz
- 128MB RDRAM
- 30GB<sup>6</sup> Ultra ATA Hard Drive
- 17" (16.0" vis, .24 .25AG) P780 FD Trinitron\* Monitor
- 32MB NVIDIA GeForce 4X AGP Graphics Card
- 12X Max DVD-ROM Drive
- SB Live! Value Digital Sound Card
- Harman Kardon HK-595 Surround Sound Speakers with Subwoofer
- V.90 56K Capable\* PCI Telephony Modern for Windows\*
- MS\* Works Suite 2000 MS\* Windows\* 98, SE
- 3-Yr Limited Warranty = 1-Yr At-Home Service

\$2399 @ E-VALUE CODE 05844-500723

As law as \$66/Mo., for 48 Mos."

# DELL" UPGRADES:

# SOFTWARE & PERIPHERALS

## Printers:

- Epson® Stylus Color 740 \$99 after \$50 Epson\* Mail-In Rebate (Reg. \$149)\*\*
- HP\* DeskJet\* 952C \$249 after \$50 HP Mail-In Rebate (Reg. \$299)36
- HP\* DeskJet\* 932C, add \$199

## Scanners:

- HP" ScanJet" 4200, add \$149
- UMAX 2100U, add \$89

## Power Protection:

- Pro 8T2 SurgeArrest, add \$39
- APC SurgeArrest Per 7, add \$17.95

- Ultimate Action Game 5-pack (Dimension only)\*, add \$99
- Home Reference 4-pack\*\*, add \$79

# SERVICES

## Internet Service:

■ 1-Yr Delinet" Internet Access with 20MB of Online Backup<sup>12</sup>, add \$99

# Service Upgrades:

- Dell\*\* Dimension\*\* Premier 3-Yr At-Home Service, add \$99
- Dell" Inspiron" 3800 Notebook 3-Yr Next-Business-Day On-site Service', add \$149

# Payment Solutions:

- Dell<sup>™</sup> Platinum Visa Card
- Dell<sup>™</sup> 48-Month Purchase Plan<sup>™</sup>
- Dell\* E-Check

(automatic checking withdrawal)

# pentium<sup>®</sup>

Includes Windows 98, Second Edition the home version of the world's favorite software.

"Includes 150 hrs./month, plus \$1.50/hr. (or fraction) over 150 hours. #800/886/877 access charged \$4.95/hr. extra. Excludes taxes and telephone charges. Additional \$1.00/hr. surcharge in HI and AK. "Monthly payments based on 13.99% APR. APR FOR QUALIFIED CUSTOMERS VARIES BY CREDITWORTHINESS OF CUSTOMER AS DETERMINED BY DELL FINAN-CIAL SERVICES L.P. Taxes & shipping charges extra, and vary; they are due with 1st payment unless included in the amount financed. Purchase Plan from Dell Financial Services L.P. to U.S. state residents (including D.C.) with approved credit, excluding AR and MN residents. Availability may be limited or offer may vary in other states.

Prices, specifications, and availability may change without notice. Taxes and shipping charges extra, and vary. Cannot be combined with other offers or discounts. U.S. only. Offer valid for Dell Home Systems Co. only. For a copy of our Guarantees or Limited Warranties, write Dell USA L.P., Attn: Warrenties, One Dell Way, Round Rock, Texas 78582. 'At-Home or on-site service provided via third-party contract. with customer. Availability varies. Technician will be dispatched, if nucessary, following phone-based troubleshooting. To receive Next-Business-Day service, Dell must notify the service provider before 5pm (customer's time). Other conditions apply. 'For hard drives, GB means 1 hillion bytes, accessible capacity varies with operating environment. \*Download speeds limited to 53Kbps. Upload speeds are less (about 30Kbps) and vary by modern manufacturer and anline conditions. Analog phone line and compatible server required. "Online backup services provided by third-party agreement with the customer. Limited to 20MB of storage; additional space available et additional charge. Dell is not responsible for lost data. "Software, packaging and documentation differ from retail versions. "The processor may be reduced to a lower operating speed when operating on battery power. "For rebute details and coupons, call 800-728-9665 for HP and 800-277-6187 for Epson, Intel, the Intel Inside logo, and Pentium are registered trademarks. and Intel SpeedStep and Coleron are trademarks of Intel Corporation: MS, Microsoft, and Windows are registered trademarks of Microsoft Corporation, HP and DeskJet are registered trademarks of Hewlett-Pankard Corporation Trinitron is a registered trademark of Sony Corporation. @2000 Dell Computer Corporation. All rights reserved.



# KAYPRO 6100

# The Return of a

ACK IN THE EARLY 1980s, KAYPRO WAS AMONG THE FIRST manufacturers to sell computer systems to consumers. But despite the company's place in the early history of the home computer, Kaypro, like other PC pioneers, faded from the scene—until now, that is. Kaypro has risen from the ashes as a desktop-system manufacturer and a supplier of computer peripherals and brand-name notebooks.

You can customize Kaypro PCs on its Web site's configurator, but if you want to make changes to anything other than the CPU, memory, monitor, or hard drive, you'll have to configure the system on the phone with a salesperson. Currently, Kaypro offers three lines of desktop systems; the 6100 is the top-of-the-line configuration,

aimed at business and home users.

The version of the 6100 we looked at sells for a competitive direct price of \$1,529, and houses a 700MHz Pentium III with 128MB of 100MHz SDRAM. Although the CPU supports the faster 133MHz front-side bus, the motherboard is based on the older Intel 440BX chip set and instead runs at 100MHz. Other features include a spacious 20GB hard drive, a

100MB Iomega Zip drive, an 8x DVD-ROM drive, an MPEG-2 decoder card, a 17-inch monitor, and an nVidia TNT2-based graphics card with 32MB of SDRAM.

The TNT2 is neither the latest nor the fastest graphics accelerator on the market today, but it provides excellent 2D and very good 3D performance. Our unit, however, shipped with an older version of the graphics driver, which wouldn't work with some of our benchmark tests. As a result, we had to go to nVidia's Web site to download the most recent version.

For everyday business apps, such as word processing and browsing the Web, the 6100's healthy Business Winstone 99 score of 29 is comparable to the scores of other similarly configured systems. The 6100's



scores for hard drive and graphics subsystem performance are also in the right ballpark. For users looking to eke out faster 3D-graphics performance for ultimate game playability, Kaypro offers an nVidia GeForce 256 graphics-card upgrade for \$136 more

The 6100 comes standard with Creative Labs' 8x PC-DVD drive and Dxr3 MPEG-2 decoder card. DVD movie playback is sharp and stable, and the card frees up the system's CPU for other processing tasks.

The 6100's 17-inch Kaypro monitor provides a 15.7-inch viewable area and supports a maximum display resolution of 1,280x1,024 at 60Hz. The monitor's overall image quality was relatively good, though it had some problems with moiré patterns.

For another \$25, you can upgrade to a slightly higher-end 17-inch display.

A Creative CT4810 sound card and a pair of Premio 636 speakers make up the 6100's audio subsystem. The sound quality was decent, but lacked the thundering bass you would get from a good satellitesubwoofer system.

If you're looking for a system that has

> room to grow, the 6100 will give you all the space you should need. Even fully configured, a

\*\*\* RATED 1 TO 5 STARS Inexpensive; good overall performance Poor documentation; limited Web-based support; limited software bundle; outdated graphics driver loaded

SYSTEM: Kaypro 6100. COMPANY: Kaypro Technology City of Industry, CA 888-352-9776

www.kaypro.com AS TESTED: 700MHz Pentium III; 128MB SDRAM; 20GB hard drive; 100MB internal lomega Zip drive; Creative Labs 8x DVD-ROM drive; Creative Labs Dxr3 MPEG-2 decoder card; VisionTek TNT2 Pro graphics card with 32MB SDRAM: 17-inch Kaypro monitor; Creative Labs CT4810 sound card; Premio 636 stereo speaker system; 56Kbps modem; Microsoft Works Basic

DIRECT PRICE: \$1,529



For real-time pricing, go to priceit.zdnat.com and enter number

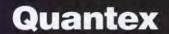
PCI, an ISA, and a shared PCI/ISA slot are all free. Also, two accessible 5.25-inch and two 3.5-inch drive bays remain vacant. Of the three DIMM sockets, only one is occupied by a single 128MB module. The system's midtower case opens easily, and even the drive cages slide right out after you remove a single screw.

Windows 98 Second Edition, Microsoft Works Basic 2000, and the driver discs for the components make up the sum of the software bundle. Kaypro offers toll-free support from 10 a.m. to

9 p.m. (ET) on weekdays, and backs the 6100 with a one-year parts and labor warranty that includes onsite support. For an additional \$60, you can extend the onsite coverage to a total of three years. It may be a worthy investment, because support on Kaypro's Web site is limited to a few mildly helpful FAQs and a smattering of download files.

With its less-than-ideal documentation, limited Web-based support, and dearth of bundled apps, the Kaypro 6100 is not the best choice for the first-time PC buyer. However, for the discriminating consumer looking for solid performance in an inexpensive machine, the 6100 is worth a look.

-Matthew Klare



**Delivers** 

Unparalleled

**Performance** 

and Value.

(inside)

pentium®///

# **Proven Performance**

Winner of PC World's Best Buy in the Power PC Category. PC World, 6/00 issue



"The [SM-Series] includes all the trappings one would expect in a high-end PC." Computer Shopper, 2/00

Standard Features: 3.5" 1.44MB Floppy Drive. Microsoft Windows 98 Second Edition, 56K V.90 Internet Fax/Modem!, MS Mouse, Internet-Ready Keyboard, ATX Mid-Tower Case, 2 USB Ports. Toll-Free Technical Support

## Peripheral Upgrades:

Lexmark 252 Color Printer, add \$179. 48-bit USB Color Scanner, add \$99. MS Sidewinder Precision Pro Joystick\_add \$49.



## OUANTEX SM933x Cutting-Edge Performance Desktop

Intel® Pentium® III Processor 933MHz 128MB PC133 SDRAM Memory

40GB 7200rpm Ultra ATA-66 Hard Drive 19" High-Resolution Digital Monitor (18" vis) nVidia GeForce 256 Graphics w/32MB, TV-Out CD-ReWritable Drive

10/100 PCI Network Card-Broadband Ready Sound Blaster AudioPCI 128 Sound

Altec Lansing ACS-33 Speakers w/Subwoofer Microsoft Office 2000 SBE

3-Year Limited Warranty

One-Year Limited On-Site Service Add 12x Max Variable Speed DVD-ROM Drive for \$99

Business lease:\$86/Mo., 36 Mos. LI-QUOTE: csa08s33

# **OUANTEX SM800s** Cutting-Edge Performance Desktop

Intel® Pentium® III Processor 800MHz

128MB PC133 SDRAM Memory

40GB 7200rpm Ultra ATA-66 Hard Drive 17" High-Resolution Digital Monitor nVldia GeForce 256 Graphics w/32MB, TV-Out 12x Max Variable Speed DVD-ROM Drive 10/100 PCI Network Card-Broadband Ready

Sound Blaster AudioPCI 128 Sound Aftec Lansing ACS-33 Speakers w/Subwooter Microsoft Office 2000 SBE

3-Year Limited Warranty One-Year Limited On-Site Service: Upgrade to nVidia GeForce2 GTS 32MB DDR for \$149

Business lease:\$65/Mo., 36 Mos. E-QUOTE: csa08s21

# QUANTEX M800t Affordable Desktop Solution

Intel® Pentium® III Processor 800MHz 128MB High-Performance SDRAM Memory

20GB Ultra ATA-66 Hard Drive 17" High-Resolution Digital Monitor

Intel 2D/3D Graphics Accelerator

12x Max Variable Speed DVD-ROM Drive

Dynamic Wavetable Stereo Sound 3-Piece Stereo Speakers w/Subwoofer Corel WordPerfect Office 2000

3-Year Limited Warranty One-Year Limited On-Site Service

Business lease:\$47/Mo., 36 Mos. CI-QUOTE: csa08m40

With Quantex you get it all-proven performance, award-winning service and reliability, and a truly amazing value. Our SM-Series Desktops incorporate the latest technologies in a box designed to maximize your overall experience (and save you a few bucks). For one, they're powered by the fastest Intel® Pentium® III processors! Combine that with a whole host of other top-notch name-brand components and you've got state-of-the-art performance even when running the most cumbersome multimedia applications, games, DVD, the Internet and more. Get a Quantex and you're in for the most dazzling PC experience yet.



Quantex SM933x Performance Desktop Pictured\*

# SM-Series BEST BU

# Cutting-Edge Performance Desktop

Intel® Pentium® III Processor 733MHz 128MB PC133 SDRAM Memory 30GB 7200rpm Ultra ATA-66 Hard Drive 17" High-Resolution Digital Monitor nVidia TNT2 AGP Graphics w/32MB, TV-Out 56K V.90 Internet Fax/Modem<sup>1</sup> 10/100 PCI Network Card—Broadband Ready 12x Max Variable Speed DVD-ROM Drive Internal Zip Drive Sound Blaster AudioPCI 128 Sound Altec Lansing ACS-21W Speakers Corel WordPerfect Office 2000 3-Year Limited Warranty One-Year Limited On-Site Service

Business lease: \$54/Mo., 36 Mos. SI-QUOTE: csa08s13

# **OUANTEX M667**v Affordable Desktop Solution

Intel® Pentium® III Processor 667MHz 64MB High-Performance SDRAM Memory 10GB Ultra ATA-66 Hard Drive 17\* High-Resolution Digital Monitor ntel 2D/3D Graphics Accelerator 12x Max Variable Speed DVD-ROM Drive Dynamic Wavetable Stereo Sound

3-Piece Stereo Speakers w/Subwoofer Corel WordPerfect Office 2000 3-Year Limited Warranty One-Year Limited On-Site Service Upgrade to 128MB SDRAM for \$99

Business lease:\$39/Mo., 36 Mos. \_ CI-QUOTE: csa08m21

# QUANTEX M566c

Affordable Desktop Solution

Intel® Celeron® Processor 566MHz 64MB High-Performance SDRAM Memory 10GB Ultra ATA-66 Hard Drive 17" High-Resolution Digital Monitor Intel 2D/3D Graphics Accelerator 48x Max Variable Speed CD-ROM Drive Dynamic Wavetable Stereo Sound, Speakers Corel WordPerfect Office 2000 3-Year Limited Warranty One-Year Limited On-Site Service Upgrade to Intel Celeron Processor 600MHz for \$50

\_-QUOTE: csa08m04



1 • 800 • 738 • 2219

CLICK http://cs.quantex.com

GSA Contract #GS-35F-0049K



# Solid Specs



"If you need a laptop that can handle any task you might throw at it, and can serve as an excellent desktop replacement, you'll find the [W-Series] an outstanding value." Laptop Buyers Guide and Handbook, Best Buy Award, 04/00

Standard Notebook Features: 3.5" 1,44MB Floody Drive. Smart Lithium Ion Battery, USB/Fast IR Ports, Personal Touchpad, 3-Year Limited Warranty on CPU & Memory. f-Year Parts and Labor Limited Warranty on all other components. Tall-Free Technical Support

Standard Desktop Features: Floppy Drive. 2 USB Ports, ATX Mid-Tower Case, Chassis-lock, Removable Hard Drive Chassis & Power Supply. 104-Key Keytoard, MS Mouse, Tall-Free Technical Support



# QUANTEX W-1500 Desktop Replacement Notebook

Pentium® III Processor 700MHz featuring Intel® SpeedStep® Technology

15" XGA TFT Active Matrix Display

128MB PC100 SDRAM Memory

12GB Ultra ATA Hard Drive

Modular 8x Max Variable Speed DVD-ROM Drive

ATI Mobility P Graphics w/8MB, TV-Out

Quantex Deluxe Carrying Case Included!

MS Windows 2000 Professional; Corel Office 2000

Upgrade to Microsoft Office 2000 SBE for \$129

Business lease:\$94/Mo., 36 Mos. **LI-QUOTE**: csa08w39

# **QUANTEX W-1400** Desktop Replacement Notebook

Pentium® III Processor 650MHz

featuring Intel® SpeedStep® Technology

14.1" XGA TET Active Matrix Display

64MB PC100 SDRAM Memory

12GB Ullra ATA Hard Drive

Modular 8x Max Variable Speed DVD-ROM Drive

ATI Mobility P Graphics w/8MB, TV-Out

Quantex Deluxe Carrying Case Included! MS Windows 98 Second Edition; Carel Office 2000

Upgrade to Microsoft Office 2000 SBE for \$129.

Business lease:\$80/Mo. 36 Mos. CI-QUOTE: csa08w01

# **QUANTEX W-1400**

Desktop Replacement Notebook

Pentium® III Processor 600MHz featuring Intel® SpeedStep® Technology

14.1" XGA TFT Active Matrix Display

64MB PC100 SDRAM Memory

6GB Ultra ATA Hard Drive

Modular 24x Max Variable Speed CD-ROM Drive

ATI Mobility P Graphics w/8MB, TV-Out

Quantex Carrying Case Included

MS Windows 98 Second Edition; Corel Office 2000

Upgrade to Microsoft Office 2000 SBE for \$129

Business lease:\$73/Mo., 36 Mos. SI-QUOTE: csa08w18



Spec for spec, Quantex Notebooks and Business Desktops are configured for success at prices that are much less than you'd expect. Plug a Quantex W-Series Desktop Replacement Notebook into our mini-docking station and utilize all the power and capabilities of a desktop—with the added bonus of taking it with you. Looking to do e-business on a budget? Quantex SB-Series Business Desktops offer a reliable and stable platform at a sensible price. In addition, both series feature Intel Pentium III processors and Windows 2000 Professional, which offers a 99.95% uptime rate. Extreme reliability, proven features and a great price. That's everything your business needs to move ahead in the e-business age.



Quantex W-1500 Notebook pictured with ontonal mini-docking station

# W.Saries BEST BUY

# **Desktop Replacement Notebook**

New Pentium® III Processor 750MHz featuring Intel® SpeedStep™ Technology

15" XGA TFT Active Matrix Display

128MB PC100 SDRAM Memory

18GB Ultra ATA Hard Drive

Modular 8x Max Variable Speed DVD-ROM Drive

ATI Mobility P Graphics w/8MB, TV-Out

Quantex Deluxe Carrying Case Included!

Microsoft Windows 2000 Professional

Microsoft Office 2000 SBE

\$2999

Business lease: \$109/Mo., 36 Mos.

CI-QUOTE: csa08w04

# QUANTEX SB700t Sensible Business Desktop

Intel® Pentium® III Processor 700MHz
128MB High-Performance SDRAM Memory
15GB 7200rpm Ultra ATA Hard Drive
17\* High-Resolution Digital Monitor

nVidia TNT2 Vanta AGP Graphics,16MB 48x Max Variable Speed CD-ROM Drive

Intel 10/100 PCI Fast Ethernet Controller w/WOL. Advanced Creative Labs Sound

Microsoft Windows 2000 Professional 3-Year Limited Warranty One-Year Limited On-Site Service

Upgrade to nVidia TNT2 w/32MB, TV-Out for \$59

\$1299

Business lease:\$47/Mo., 36 Mos. 21-QUOTE: csa06b34

# QUANTEX SB566c

Sensible Business Desktop

Intel® Celeron® Processor 566MHz
64MB High-Performance SDRAM Memory
10GB Ultra ATA-66 Hard Drive
15° Digital Monitor wOn-Screen Display
Intel® 2D/3D Graphics Accelerator

48x Max Variable Speed CD-ROM Drive

10/100 PCI Fast Ethernet Controller w/RJ-45 Dynamic Wavetable Stereo Sound Microsoft Windows 98 Second Edition

3-Year Limited Warranty
One-Year Limited On-Site Service\*
Upgrade to MS Windows 2000 Professional for \$79

\$799



1.800.738.2219

CLICK http://cs.quantex.com

GSA Contract #GS-35F-0049K



# Grow Your E-Business with Next-Generation Internet Servers From Quantex

There's never been a more affordable, no-fuss solution for businesses looking to deploy new e-business servers. Rack-mountable with innovative "headless" installation (no VGA, keyboard or monitor necessary) for quick, high volume deployment, new Quantex IS-Series Servers come bundled with the rock solid Red Hat Linux operating system and also offer robust remote management capabilities. They feature industry-leading hardware components built on superior open platforms based on Intel Architecture for seamless integration into your current network. And with innovative new 1U and 2U Rack Dense form factors, Quantex IS-Series Servers will easily grow with your business,



Check out our entire line of servers and appliances at www.quantex.com



# **QUANTEX QX4100**

Reliable E-Business Server

Intel® Pentium® III Processor 750MHz Dual-Processor Upgradable Tower Case (5U Rack-Mount Upgrade Available) 128MB ECC SDRAM (2GB Max)

9GB Ultra2/LVD SCSI Drive (360GB Max.) Intel EtherExpress Pro 100 Ethernet Adapter Dual Channel Ultra2/LVD SCSI Controller 3.51 1.44MB Floppy Drive

48X Max Variable Speed CD-ROM Dual Peer PCI Buses; 6PCI, 1 ISA Slot

5 Hot-Swap RAID Capable Drive Bays (upgradable to 10) 300 Watt Power Supply

Add MS Windows 2000 server for \$799

\$1999

Business lease starting at: \$73/Mo., 36 Mos. .:-QUOTE: csa08q52

# **QUANTEX IS2000**

2U Scalable Internet Server

Intel® Pentium® III Processor 700MHz Dual-Processor Upgradable Compact 2U Rack-Sever Design

128MB ECC SDRAM (2GB Max) 9GB Ultra2/LVD SCSI Drive (220GB Max.) Dual Intel Pro/100 NICs w/Adapter Fault Tolerance and Adaptive Load Balancing

Ultra2/LVD SCSI Controller

3.5" 1.44MB Floppy Drive & Stimline CD-ROM Two Full-Size 32-bit PCI Stots

4 Hot-Swap RAID Capable Drive Bays 275 Watt Power Supply Red Hat Linux w/Apache Web Server

\$2599

Business lease starting at: \$94/Mo., 36 Mos. 21-QUOTE: csa08q70

# QUANTEX IS1000

1U High-Density Internet Server

Intel® Pentium® III Processor 700MHz
Headless Installation for Mass Server Deployment
Compact TU Rack-Server Design
128MB ECC SDRAM (1GB Max)
10GB 7200rpm Ultra ATA 66 Hard Drive
Dual Intel Pro/100 NICs w/Adapter Fault
Tolerance and Adaptive Load Balancing

3.5" 1.44MB Floppy Drive Two 32-bit PCI Slots (1 Low-Profile) Single Screw Access to Top Cover; Tool-Less Access to Hard Drives

125 Watt Low-Consumption Power Supply Red Hat Linux w/Apache Web Server

\$1899

Business lease: \$69/Mo., 36 Mos. #-QUOTE: csa08q62





1.800.738.2219

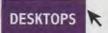
CLICK http://cs.quantex.com

GSA Contract #GS-35F-0049K

Standard Features: ISC Management Console, Emergency Management Port, 3-Yr. Limited Warranty, Toll-Free Dedicated Hardware Technical Support, One Year Limited On-Site Service

Phone Hours: M-F: 9a.m.-6p.m. (EST).

2.000 Querter Microsystems (in: 10 All Softes Received, Durreys Microsystems) (in: 10 All Softes Received, Durreys Microsystems) (in: 10 All Softes Received, Durreys Microsystems) (in: 40 All Softes Received, Durreys) (in: 10 All Softes Received, Durreys) (in: 10 All Softes Microsystems) (in: 40 All Perce st, Somester NJ 10887) (in: 40 All Softes) (in: 40 All Soft



# IBM PC 300GL MODEL 6563-83Z

# Big Blue Buddies Up To Small Business

ACK IN THE EARLY DAYS OF COMPUTING, CORPORATE BUYERS ALWAYS considered an IBM mainframe to be a safe choice. The same logic held true for IBM's corporate PCs. They represented a solid and predictable choice, even if they were a bit expensive. Today, however, IBM has to compete on price, as well as on the merits of its hardware. And though IBM's PC 300 series of general business systems are slightly costlier than the competition, they offer advantages in the form of hardware diagnostics, business applications, and network support.

Make no mistake about it, this desktop system is configured for small-business and corporate use. Our PC 300GL review unit included an IBM Netfinity 10/100Mbps Ethernet PCI

card and no modem. The system supports Wake on LAN, is fully Wired for Managementcompliant, and features a tool-less chassis.

Bundled with the system is IBM's LANClient Control Manager software, which allows a network administrator to gain remote control of the system, even before the system boots up and starts the operating system. This allows an administrator to perform tasks such as flashing the PC 300GL's BIOS, changing CMOS settings, or even running FDISK or FORMAT on the hard drive from a remote location. Also included is IBM's

SMART Reaction II software, which periodically checks the hard drive for errors and automatically backs up the drive's contents to the network if it detects a problem. Our unit also came with Windows 98 Second Edition installed (you can order it with Windows 2000 instead), Microsoft Office 2000 Small Business, and Lotus SmartSuite Millennium Edition.

The version of the PC 300GL we looked at (Model 6563-83Z) costs \$1,649, packing in an 800MHz Pentium III CPU, 128MB of 133MHz SDRAM, a 13.5GB hard drive, and a 48x CD-ROM drive. Add the \$399 option-



al 17-inch IBM P76 monitor, and the total price is \$2,048. Although the PC 300GL is available from a number of authorized resellers, if you want to make configuration changes to one of the available models in the PC 300 line, you'll have to order the system direct from IBM.

In keeping with the cost-conscious corporate market, the PC 300GL has few extra components. Our unit included an internal 100MB Zip drive. If you want a 2x/4x/24x CD-RW drive rather than the 48x CD-ROM drive, it will cost you an additional \$50. Even though the desktop-style chassis is

full-size, all of the accessible drive bays are filled. So, if you want to add a tapebackup drive, you'll have to go with an external drive or replace one of the three existing drives. Although the drive bays are maxed out, two of the system's three PCI slots remain empty.

This PC 300GL is more than adequate for all but the most demanding business applications, as its solid Business Winstone 99 score of 30.1 indicates. Performance is helped by the swift Elsa Erazor X graphics card, which uses

chip; internal speaker; IBM Netfinity 10/100Mbps Ethernet card: Internal 100MB Zip drive: Microsoft Office 2000 Small Business; Lotus SmartSulte Millennium Edition; additional MFR. EST PRICE: \$2,048 ZDNet Price It!" 3 3 7 3 5

For real-time pricing, go to priceit.zdnet.com and enter number.

\*\*\*

RATED 1 TO 5 STARS

diagnostic network utilities;

Speedy system; powerful

includes both Microsoft Office and

SYSTEM: IBM PC 300GL Model 6563-83Z

rch Triangle Park, NC

COMPANY: IBM Corp.

AS TESTED: 800MHz Pentium III; 128MB 133MHz SDRAM: 13.5GB hard drive; 48x

CD-ROM drive; Elsa Erazor

graphics card with 32MB SDRAM; optional 17-inch IBM P76 monitor;

integrated ESS Allegro PCI sound

Lotus SmartSuite No accessible drive bays

800-426-7255

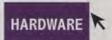
www.ibm.com

the high-speed nVidia GeForce 256 graphics processor. (Although it's certainly not the focus of this system, the Erazor X's impressive 3D-graphics performance is a nice bonus for those who like to stay late in the office and play Quake deathmatches.) The PC 300GL's IBM hard drive is also fast, but it falls a bit behind the level of performance we've come to expect from systems in this class.

A single speaker is built into the front of the desktop chassis. While this speaker is small and gets its audio signal from an integrated audio chip on the motherboard, the sound quality is sufficient for typical Windows and business-application sounds.

The PC 300GL is backed by a three-year limited parts warranty, which includes one year of onsite labor service, toll-free 24-hour technical support (for the life of the warranty), and 30 days of free phone support for the operating system. For another \$299, you can upgrade the warranty to a total of three years of onsite service.

Corporate PCs tend to be middle-of-theroad performers, balancing speed with manageability to keep costs down. The IBM PC 300GL, though somewhat pricier than the competition, combines fast performance, remote management, diagnostic features, and an excellent selection of business applications into a no-nonsense workhorse desktop that can provide years of fast and faithful service. -David English



# 3 Million Pixels Strong and Growing

FFORDABLE CONSUMER-LEVEL DIGITAL STILL CAMERAS ARE MORE robust than ever. In fact, a handful of camera manufacturers recently released 3-megapixel units, which offer a higher CCD resolution—ideal for creating the 8x10 and larger prints that push the limits of most 2-megapixel cameras.

We recently looked at three new 3-megapixel cameras—the Casio QV-3000EX, Epson PhotoPC 3000Z, and Nikon Coolpix 990. All three models have a number of features in common. In particular, they all use the same Sony 3.34-megapixel CCD, and therefore share the same tendency to produce color noise in shadow areas. Also, all three store images on cards, support a maximum ardware resolution of 2,048x1,536, run on four

AA batteries, and connect to the PC through a USB interface.

## CASIO OV-3000EX

\*\*\*

PROS: Sharp images; compact size CONS: Overdesigned menu system; inconsistent auto color balancing

Of these three cameras, the \$950-average Casio QV-3000EX is the lightest and most compact. It's probably the bestsuited to take on vacation or for use in situations where space or weight is an issue.

A 33mm-to-100mm zoom range, an aper-

ture-setting range of f2 to f8, and the ability to capture QVGA video at up to 30 fps add to the QV-3000EX's allure as a personal point-and-shoot camera. The camera also supports Type II PC Cards such as IBM's 340MB Microdrive, which means you can outfit the QV-3000EX with enough storage to last your whole trip. Unfortunately, the camera comes bundled with only an 8MB CompactFlash card, and its menu system is not very intuitive.

The Casio's image quality was generally above average, though not quite as good as that of the other 3.3-megapixel cameras we looked at. During testing, we found that the QV-3000EX's white balance worked better with the flash than without, displaying a slight cyan cast under daylight conditions. Similarly, our close-up flash shot was perfectly exposed, though the flash was too harsh when we stepped back to shoot a portrait.



# EPSON PHOTOPC 3000Z \*\*\*

PROS: Built-in microphone; uncompressed output option; flash hot shoe; interpolated 2,544x1,904 resolution CONS: Slightly warm flesh tones

Although we looked at a prerelease version of the \$999-estimated Epson PhotoPC 3000Z, the camera should be shipping by the time you read this. The 3000Z shows a lot of promise both as a standard point-and-shoot camera and as a tool for the photo enthusiast.

The camera exhibited good exposure and color balance under flash and nonflash conditions, and produced relatively sharp images in both uncompressed and minimally compressed formats. Flesh tones looked a

bit too warm, however.

With a 24mm-to-102mm zoom range and aperture settings of f2 to f8, the 3000Z can handle a wide range of shooting situations. The camera also offers a few less common features, such as an actual flash hot shoe (rather than just a hot-shoe contact) and a built-in microphone. Another uncommon feature is its support for in-camera image interpolation, which increases the resolution to 2,544x1,904. Although it only goes up to 15 fps for continuous video capture, the LCD on this camera updated more smoothly than most of the cameras we've seen.

# NIKON COOLPIX 990 \*\*\*

PROS: Swivel lens; broad zoom range; uncompressed output option; extremely sharp images CONS: Large and heavy



With an average price of \$915, the Nikon Coolpix 990 is slightly less expensive than the other two cameras here. Adding to

the Coolpix's appeal is its excellent image quality, a great feature set, and the broadest zoom range of the three cameras here.

The Coolpix 990's 0.8-inch macro focus distance is one of the closest we've seen. This nicely complements its expansive 38mm-to-115mm zoom range and aperture settings of f2.5 to f8, allowing you to take almost any picture you want in program, aperture-, or shutter-priority mode. It can also capture QVGA video at up to 20 fps.

Overall, the pictures we took with the camera displayed excellent color balance and color accuracy under a range of lighting conditions. They also exhibited true flesh tones and great sharpness in both uncompressed and the lowest-compression mode. The swivel lens is another nice bonus, though some users might find the camera's bulk and 13.1-ounce weight to be an inconvenience.

-Lori Grunin

ZDNet Price It!"	code
Casio DV-300DEX	33713
Epson PhotoPC 3000Z	33714
Nikon Coolpix 990	33715

RATED 1 TO 5 STARS	***	*** beta	***
PRODUCT	Casio QV-3000EX	Epson PhotoPC 3000Z	Nikon Coolpix 990
COMPANY	Casio Dover, NJ 800-962-2746, 973-361-5400 www.casio.com	Epson America Long Beach, CA 800-463-7766, 562-981-3840 www.epson.com	Melville, NY 800-526-4566, 631-547-4200 www.nikonusa.co

# LABTEC SPIN-70

# HARDWARE

# Sound You Can Take to the Bo

ERIOUS AUDIO CAN COST SERIOUS MONEY. BUT IF you're looking for a decent-sounding, inexpensive speaker upgrade, Labtec's new \$39.99-

estimated Spin-70 could be a serious bargain.

These sleek stereo speakers muster enough sound to make you forget their small size and the lack of a separate subwoofer. The onboard bass ports are ample for listening to spoken voices and sound surprisingly good for games and even audio CDs or MP3 files. With a frequency response spanning 55Hz to 20KHz, the Spin-70 system is capable of reproducing all but the lowest frequencies typically handled by a subwoofer.

A single knob for both treble and bass control doesn't provide the precision avid audiophiles demand. With the treble turned all the way up, however, the sound is bright without being tinny and still maintains plenty of warmth on the bottom. And when the

control is tuned to accentuate the lower frequencies, the bass is full without muffling the overall dynamic range. A 3D-sound button on the front of the right speaker lets you fill in the sound nicely with some added texture.

The Spin-70 doesn't just sound good-it's designed to be easy to use, too. For example, the front-mounted microphone jack on the right speaker lets you connect a microphone

without having to wrestle with the tangle of cables and

jacks in back of your computer. The rear of each speaker also provides a cable-storage space to stow extra wiring, which can help keep clutter to a minimum.

The system's single equalization dial and its lack of a room-shaking subwoofer will clearly put off users looking for a higher-end solution. But for those seeking good-sounding audio at an unbeatable price, Labtec's Spin-70 gives you a lot more boom for your buck than you might expect.

prints

-Brooke E. Wurst



\*\*\*

RATED 1 TO 5 STARS

Affordable; photo-quality

occasionally skews printouts:

output; fast print speed High consumables cost:

faint roller marks visible on glossy

PRODUCT: Sony UP-DP10

COMPANY: Sony Electronics Park Ridge, NJ; 800-686-7669

ZDNet Price It!"

3 3 7 2 7

For real-time pricing, go to priceit.zdnet.com and enter number.

www.sony.com/ digitalphotography

LIST PRICE: \$389

# SONY UP-DP10

# Price Drop for Dye-Sub Printing

IGITAL PHOTOGRAPHERS HAVE LONG VALUED dye-sublimation printers because of their high-quality output with continuous-tone images. Although such printers are typically for professionals and out of the price range of most consumers, Sony Electronics' diminutive UP-DP10 lists for only \$389 and produces excellent-looking 4x6-inch color prints in about a minute and a half.

The printer's \$14.99 consumables kit (not included) consists of

25 sheets of 4x6 paper and a three-color ribbon with an overcoat. The overcoat blocks ultraviolet light, the culprit responsible for fading normal inkjet prints. This coating, which automatically laminates the print after the three colors are laid down, can be applied as glossy, textured, or matte prints. Sony predicts that prints made with the UP-DP10 will last for 30 years.



The UP-DP10 prints at approximately 300 dpi and supports more than 16.7 million colors per dot. The unit measures 3.5x8.25x12 inches (HWD), with roughly 6 inches added to this depth by the paper magazine/output tray. It can operate either lying flat or on its side. The printer includes both parallel and USB connections, and works with Windows 95 and 98 systems as well as Mac OS 8.6 or later.

Prints produced by the UP-DP10 are vibrant and sharp-nothing less than photo quality. However, some of our photos printed out a tad darker than we would have preferred. We noticed that some of our prints were slightly off-square-probably

due to paper slippage in the transport. Also, if we placed a glossy print under a light and held it at an angle, we could see that the printer's transport rollers left two faint bands running the length of the print.

With a price of \$389 and a cost of about \$1.67 per page, the Sony UP-DP10 is no bargain-especially for a device dedicated solely to producing 4x6 photographs. But if you want to fill your photo album with beautiful-looking prints that will last for decades, the UP-DP10 could be worth the investment.

-Matthew Klare

\*\*\*

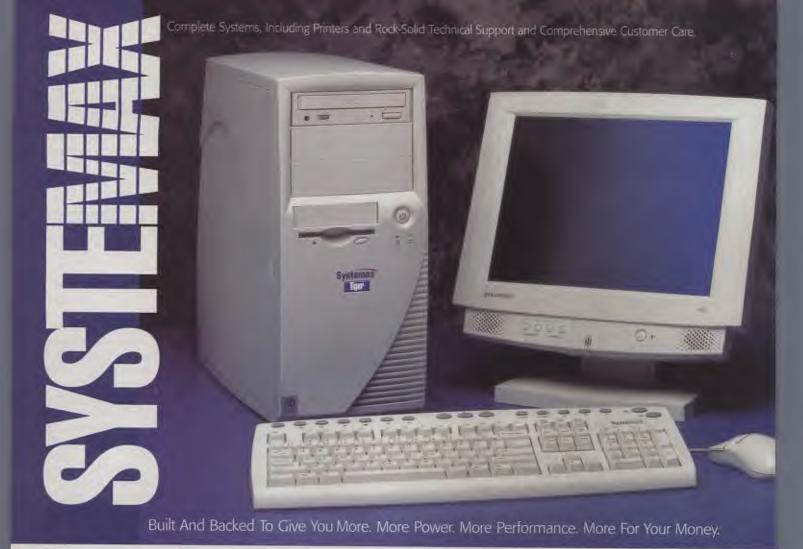
and headphone jacks No subwooler, equalization control No subwoofer; single

PRODUCT: Labtec Spin-70 COMPANY: Labtec ancouver, WA; 360-896-2000 www.labtec.com MFR. EST. PRICE: \$39.99

ZDNet Price It! 33723

For real-time pricing, go to priceit.zdnat.com and enter number.





Venture C Series Complete with monitors! Featuring: Intel 3D Direct AGP Integrated Graphics, PCI Wavetable integrated sound, 104-Win Keyboard, 4-Bay Micro-Tower Case, 2 USB Ports, 3.5" Floppy Drive, Microsoft" IntelliMouse, 5/3 Limited Warranty & 7x24 Tech Support, 1st Year On-Site Service.

# Venture C Series PVW-500c-7

- . Intel® Celeron® Processor 500 MHz
- · 64MB SDRAM
- 15 GB Ultra ATA Hard Drive
- . 48X Max, CD-ROM! Drive

# OPTION (A) Business Network

- · Microsoft Windows® 2000 Professional
- 15" (.28dp) Monitor (13.8" viewable)
- \* Kingston 10/100 PCI Ethernet Adapter

# OPTION B Small/Home Office

- Microsoft Windows® 98
- 17" (.25dp) Monitor (16" viewable)
- . 56K V.90 Modern for Windows
- · Amplified Stereo Speakers

Your Choice \$819

# Venture C Series PVW-600c-7

- . Intel® Celeron® Processor 600 MHz
- 20 GB Ultra ATA Hard Drive
- 17" (.25dp) Monitor (16" viewable)
- 48X Max.CD-ROM\* Drive

# OPTION (A) Business Network

- . Microsoft Windows® 2000 Professional
- . 64MB SDRAM
- . Kingston 10/100 PCI Ethernet Adapter

# OPTION B Small/Home Office

- . Microsoft Windows 98
- 128MB SDRAM
- . 56K V.90 Modern for Windows
- · Amplified Stereo Speakers

Your Choice \$939

# Venture T Series Complete with monitors! Featuring: 256K Advanced Transfer Cache, 104-Win Keyboard, 7-Bay Mid-Tower Case, 2 USB Ports, 3.5" Floppy Drive, Microsoft\* IntelliMouse," 5/3 Limited Warranty & 7x24 Tech Support, 1st Year On-Site Service.

# PVW-T667-7

- . Intel® Pentium® III Processor 667 MHz
- 64MB 133MHz SDRAM
- . 3D AGP Graphics Card (8MB)
- . 48X Max.CD-ROM' Drive

# OPTION (A) Business Network

- Microsoft Windows® 2000 Professional
- 15 GB Ultra ATA Hard Drive
- •15" (.28dp) Monitor (13.8" viewable)
- . 3Com Fast EtherLink XL PCI Adapter

# OPTION B Small/Home Office

- Microsoft Windows<sup>®</sup> 98
- . 30 GB Ultra ATA Hard Drive
- . 17" (.28dp) Monitor (16" viewable)
- 56K V.90 Modern for Windows<sup>a</sup>

Your Choice \$1039

# Venture T Series PVW-T733-7

- Intel® Pentium® III Processor 733 MHz
- . 20 GB Ultra ATA 7200 RPM Hard Drive
- 3D AGP Graphics Card (8MB)
- 17" (.25dp) Monitor (16" viewable)
- . 48X Max.CD-ROM! Drive

# OPTION (A) Business Network

- . Microsoft Windows® 2000 Professional
- 64 MB 133 MHz SDRAM
- . 3Com Fast EtherLink XL PCI Adapter

# OPTION B Small/Home Office

- Microsoft Windows\* 98
- 128 MB 133 MHz SDRAM
- 56K V.90 Modern for Windows<sup>2</sup>
- · PCI Sound Card & Speakers

Your Choice \$

\$1149

BancTec is a third-party service provider unaffillated with Systemax, Intel and the Intel Inside logo and Persium are registered trademarks and Celeron is a trademark of the Intel Corporation in the United States and other countries. Microsoft, MS and Windows are registered trademarks of the Microsoft Corporation. All products are trademarks of their respective manufacturers. All registered and unregistered trademarks are the sole property of their respective companies. Prices do not include shipping or applicable sales tax. Copyright 2000, Systemax, Inc. Prices and configurations are subject to change without notice.

# SYSTEMAX BUILDS POWERFUL SYSTEMS AND BACKS THEM WITH AWARD-WINNING CUSTOMER CARE.

We Pack Premium Customer Service Into Every Box We Ship.

That's why we equip each PC with a powerful combination of business-minded hardware and software. Our Venture PCs come standard with the Microsoft Windows 2000 Professional operating system. Microsoft Windows 2000 combines the ease of use and familiarity of Windows 98 with the industrial power and security of Windows NT.

Plus, the Systemax Venture T series also features the Intel Pentium III processor, the no-compromise solution for business computing.

With just one phone call or visit to our website, we can help



you configure a Systemax Venture PC that fits your business needs perfectly. Then we'll get right to work assembling your new system in our ISO 9001 Certified facility. Next comes the best part. We back each system with a team full of smart, dedicated people who not only understand how to make computers work, but also understand how business works. People who are capable of giving Superior Customer Support — without taking up any extra desk space!



Superior Customer Support.

It's about more than just who can answer the phone the fastest. Superior Customer Support is about friendly, knowledgeable people dedicated to first-call solutions. It's about a seven-day-a-week, around-the-clock commitment. It's about catering to your needs before, during and after the sale — way after the sale — like, forever!

In short, it's about being there. And you can count on your Systemax Customer Support person to be there for you.

# Venture T Series PVW-T800-7

- . Intel® Pentium® III Processor 800 MHz
- 128MB 133MHz SDRAM
- . 30 GB Ultra ATA 7200 RPM Hard Drive
- . nVidia® Vanta 4X AGP Graphics Card (16MB)
- 17" (.25dp) Monitor (16" viewable)

# OPTION (A) Business Network

- . Microsoft Windows® 2000 Professional
- · 48X Max CD-ROM Drive
- . 3Com Fast EtherLink XL PCI Adapter

# OPTION B Small/Home Office

- Microsoft Windows 98
- . 8X DVD-ROM Drive
- . 56K V.90 Modern for Windows<sup>2</sup>
- . PCI Sound Card & Speakers

Your Choice \$1359

# Venture T Series PVO-T933-7

- · Intel® Pentium® III Processor 933 MHz
- 128MB 133MHz SDRAM
- . 40 GB Ultra ATA 7200 RPM Hard Drive
- . TNT2 M64 4X AGP Graphics Card w/TV-Out (32MB)
- 19" (.25dp) Monitor (18" viewable).
- . CD-R/RW Drive
- . Sound Blaster PCI Wavetable Sound Card
- Amplified Stereo Speakers
- Microsoft Windows® Small Business

# OPTION (A) Business Network

- . Microsoft Windows® 2000 Professional
- 3Com Fast EtherLink XL PCI Adapter

## OPTION B Small/Home Office

- . Microsoft Windows\* 98
- · 8X DVD-ROM Drive
- . 56K V.90 Modern for Windows

Your Choice \$2289

Add a Hewlett-Packard Printer to your Systemax PC

HP DeskJet 970Cse Printer \$399

HP DeskJet 1220Cse Printer

\$499

HP LaserJet 2100se Printer

\$699

CD-ROM speeds are variable. Maximum speed shown. "Maximum data transfer rate may vary due to the particular modern you are communicating with, telephone lines and communication protocols."

To Order

Tiger Direct.com

1-800-335-4056

http://cs.tigerdirect.com



**LEXMARK Z52 COLOR JETPRINTER** 

# HARDWARE

# Prints That Will Make You Proud



LEXMARK INTERNATIONAL'S \$179-ESTIMATED Z52 Color Jetprinter boasts some of the fastest print times and lowest operating costs we've seen in an inkjet printer. Factor in its outstanding 2,400x1,200-dpi

output, and you have what may be the best inkjet Lexmark has ever produced.

Our evaluation unit was ridiculously easy to set up, and the required software loaded in just a few minutes. The Z52's nifty talking driver and one-click installation are very slick, but it's got other nice features, such as selectable print buffering, the ability to manually set resolutions, and online consumables ordering.

Output quality was excellent for a printer in this price range, completely free of streaking and banding. Six-point text was crisp at even lower resolutions, and gray-scale photographs boasted solid blacks and smooth blends. Color output quality matched that of many

printers costing twice as much, with accurate, subtle, and well-saturated hues and crisp, artifact-free detail. Output was a trifle dark at 600 dpi, but this wasn't a problem when we boosted the resolution to 1,200x2,400.

Print speeds for the Z52 rivaled those of some of the fastest printers we've tested. The Z52 printed a one-page text document in 17 seconds (faster than some laser printers), and churned out 10 pages of text in under 2.5 minutes. A 6x7.5-inch color photograph took less than 3 minutes to print at a 600x600-dpi resolution, and about 6.5 minutes at 2,400x1,200.

The Z52 is the highest-priced model in

Lexmark's current line, but its low operat-

ing costs easily make up the difference. We squeezed 74 8x10-inch glossy photographs out of a single cartridge, producing a per-page cost of only \$1.07-less than half that of many printers in this class.

Whether you're looking to buy a color inkjet printer for the first time or ready to replace your current slow and low-res printer, the Lexmark Z52 Color letprinter is one of the finest sub-\$200 inkjets on the market today.

-Don Labriola



LINKSYS ETHERFAST FOUR-PORT CABLE/DSL ROUTER

**NETWORKS** 

# Connecting the Small Office

HE LINKSYS ETHERFAST FOUR-PORT CABLE/DSL Router offers small offices with a broadband Internet connection or an Ethernet backbone a simple and affordable solution to get all of their PCs interconnected and online. Priced at

\$199 estimated, the router supports up to 253 users with firewall protection.

The EtherFast tackles both network speed and connection sharing head-on with a built-in four-port 10/100Mbps switch. It speeds up data transfers by directing packets to their correct destination more efficiently than an unswitched hub could, and it dedicates bandwidth to each machine on the network. The device connects directly to the network with a separate WAN port, so you don't to need to attach it to a dedicated networked system.

We tested the EtherFast on a LAN consisting of three networked systems. all using 10/100Mbps network interface cards. The only difficulty we ran into during setup was figuring out how to assign the ISPrequired name to the device. A call to the Linksys technical-support line provided us with the information we needed, and we were soon up and running.

Once the router was recognized by our ISP, the EtherFast acted as a DHCP server. The router is assigned its own unique IP address (so no IP addresses are needed for the networked systems), and all of our systems shared the cable connection with no notice-

able loss in Internet access speed. We also tested the unit

by simultaneously transferring two 8GB files across the LAN while one of the systems was also downloading an 8GB file from the Web. We experienced no performance degradation.

The Linksys EtherFast Four-Port Cable/DSL Router is an excellent choice when you need to share a broadband connection, require Internet security, and wish to eliminate LAN bottlenecks. That's a lot of functionality for a device that sells for less than \$200. -Neil Randall



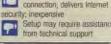


PRODUCT: Lexmark Z52 Color Jetorinter COMPANY: Lexington, KY 888-539-6275, 606-232-2000 www.lexmark.com MFR. EST. PRICE: \$179



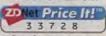
For real-time pricing, go to priceit.zdnet.com and enter number

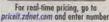






Linksys EtherFast Four-Port Cable/DSL Router COMPANY: Linksys 800-546-5797, 949-261-1288 www.linksys.com MFR. EST. PRICE: \$199







# ANTIDOTE FOUND FOR BUSINESS DISORDERS.

The prognosis for Medsite.com was for chronic growth spurred by an imminent, hyperactive IPO. So José Benitez, Jr., Medsite's manager of technical support, inquired about Subscription Computing" from micronpc.com. After talking with one of our dedicated sales reps (the alwayson-call Ryan Keen), they subscribed to a holistic solution that included 100 Millennia® desktop PCs and Micron™

notebooks for the three partners. They are also able to add high-speed connectivity and Web hosting through our HostPro subsidiary. Result: Medsite.com can specialize in e-commerce while we administer the support. Should your e-business ever show any symptoms

# SUBSCRIPTION COMPUTING

Get any two services when you buy any Millennia desktop featuring the Intel® Pentium® III processor and get 7% financing:

Web hosting

Connectivity

Uplified on-site service

Priority Access technical support

System installation

Peripheral installation

System upgrade

Document transfer

System move

Micron University

of affliction or malaise, our Subscription Computing could well be the cure. Think of us as the CPR for URLs.

micron pc.com Think beyond the box.

# SHOP ONLINE AT MICRONPC.COM/MED14 OR ORDER TOLL-FREE 1-888-323-1716

For government or education sales, call 1-888-209-8041. GSA Contract #: GS-35F-4317D

C2000 Micron Electronics, Inc. All rights reserved, Micron Electronics, Inc. is not responsible for omissions or errors in typography or photography. All purchases are subject to availability. Prices and specifications may be changed without notice, prices do not include shipping and handling and any applicable taxes. Seller's return policy does not include return freight and original shipping-handling changes, and all return and warranty periods begin from the date a product is shipped, not when it arrived. A restocking fee may be charged upon the return of a product. All sales are controlled by seller's current terms and conditions of sale, which are available on seller's website or from its sales representatives. On-site service is provided at sole decretion of Micron Computer Services, has diagnostic determination for on-site service. On-site service is provided by a hidron service trade a separate service contract between you and the service provider level, the Intel hadde logo and Pertitum are registered trademarks of intel Corporation. Microsoft and Windows are registered trademarks of Microsoft Corporation. Product names of micronpoccom products are trademarks or registered trademarks of Microsoft that respective companies.

# Zone Into The Game!

# The TA-410 Features:

- Four Compact Satellites for Realistic Gaming Excitement
- Versatile, Horizontal or Vertical Speaker Positioning
- Color-Coded Jacks and Plugs
  Wooden Woofer Cabinet
- Provides Greater Dynamic Bass
- Separate Controls for Easy Front and Rear Volume Adjustment
- Compatible with Mac, PC and All Sound Cards

# The TA-410 Inclu

The TA-410 Includes a Multi-Function Adapter to Connect Directly with PlayStation™, Nintendo 64™, Dreamcast™, Portable CD, Mini Disc and MP3 Players

"Playstation" is a trademark of Sony Computer Entertainment, Inc. "Nintendo 64" is a trademark of Nintendo Corp. "Dreamcast" is a trademark of SEGA Corp.

1 (800) 735-4696 www.kinyo.com

Multimedia





\*Buy DIRECT & Receive FREE Freight & Handling



# MICRONPC.COM TRANSPORT ZX

# Roaring Back To the Basics

MANY OF TODAY'S NOTEBOOKS ARE LOADED WITH EXTRAS LIKE built-in Webcams, additional pointing devices, and separate CD controls that, depending on implementation, can be a lot less useful than they initially seem. But the \$2,999 micronpc.com TransPort ZX takes a less-is-more

approach, resulting in a stripped-down speed demon that, despite its spacious screen, is relatively lightweight.

Though the TransPort ZX may look like a back-to-basics notebook on the outside, it's anything but on the inside. Our test unit was outfitted with a 700MHz Pentium III processor, a generous 128MB of RAM, and a 12GB hard drive. The CPU packs Intel Corp.'s SpeedStep technology. SpeedStep delivers maximum CPU performance when the note-

book is plugged in, but extends battery life by dropping the processor to 550MHz when unplugged.

The TransPort ZX is also ready to take you to the movies, thanks to its 6x DVD-ROM drive, 3D video, and 15-inch XGA screen. The big screen is sharp, providing 1,024x768 resolution at the highest setting. Backing it up is an 8MB ATI Rage LT Pro graphics subsystem, offering basic 3D gaming support in addition to top-notch 2D performance. In real-life usage, DVD and game video playback was smooth and glitch-free.

Overall, the TransPort ZX turned in great performance, serving up a blazing 25.6 Business Winstone 99

rating when plugged in. Even in batteryoptimized mode, the notebook came in at 23.8. And battery performance was more than acceptable at either speed. Though the new SpeedStep technology gave us somewhat uneven results in testing, on average the unit provided an admirable 4 hours of life with the speed throttled down, and just under 3.5 hours with the pedal to the metal.

At 7 pounds, the TransPort ZX is also relatively compact and light for a threespindle system with a 15-inch screen; some of its competitors, by comparison, weigh in at close to 10 pounds. The floppy drive is fixed, but you can hot-swap the DVD-ROM



with a Zip or LS-120 drive.

Overall, the layout of the notebook is logical. Speakers lie above the keyboard, where they won't be blocked by your wrists, and the touch pad is slightly offset and has large buttons. The keyboard has an average feel, with the only problem being a reduced-size right Shift key, shrunk to make room for an up-arrow key that you might end up hitting when you aim for Shift.

The TransPort ZX also doesn't compromise on connectivity. It includes a full complement of connectors, including SVGA and S-Video outputs, plus serial, parallel, IRDA-II infrared, PS/2, and dockingstation ports. You'll also find dual USB

ports, a welcome enhancement as more new peripherals ship with USB connections. Headphone, microphone, and USB ports are tucked into the right-front of the

The software bundle includes Windows 98 Second Edition. Microsoft Office 2000 Small Business, and InterVideo's WinDVD player, as well as a Micron University Tutorials Sampler. A nice bonus is

> Mrestore, a system-recovery disc that

contains not only all the drivers needed for the system but also copies of PowerQuest's Drive Image, PartitionMagic, and DriveCopy for more advanced users who want to protect or reallocate their hard drives.

Micronpc.com wins kudos for the TransPort ZX user's guide, which is comprehensible enough for novice users but also includes a wealth of in-depth information for those with an appetite for technical users knowledge.

The included three-year Advanced Portable Exchange warranty is exceptionally strong, with micronpc.com promising to get you up and running within 24 hours in the event of a catastrophic system failure. It works like this: Call micronpc.com, and the com-

pany will send you a reconditioned TransPort ZX portable within 24 hours. Swap the removable components of your original notebook (such as the hard drive and battery) over to the new one and return the original chassis. The company will then reserialize the replacement with your original serial number. As long as your hard drive hasn't failed, you can be back up and running with no need to reinstall applications or restore data backups.

Overall, the TransPort ZX is a streamlined solution for computing on the road. Although the notebook lacks a unique design, it does all the basics well and offers top-notch performance. -Denny Atkin

# \*\*\* RATED 1 TO 5 STARS



Top-notch performance; excellent battery life. Generic design

## SYSTEM:

microroc.com TransPort ZX COMPANY: micronoc.com 888 224 4247, 208 898 3434

micronpc.com AS TESTED: 700MHz Pentium III; 128MB SDRAM; 12GB hard drive; 15-inch XGA active-matrix LCD; 6x DVD-ROM drive; ATI Rage Pro LT with 8MB RAM; ESS Maestro 2EM audio chip: Internal V.90 modem: touch pad; Microsoft Office 2000 Small Business: additional software



For real-time pricing, go to priceit.zdnet.com and enter number



kiss your floppies good-bye

The new TravelMate 600 Series—with CD-RW drive—gives a whole new meaning to the term "all-in-one notebook." Now you can write and rewrite 650MB of portable data, eliminating the need for a floppy drive. Plus you get a large, crisp 13.3" XGA display secured by a magnesium-alloy chassis. With both an integrated modem and Ethernet, you'll easily connect anywhere. Even so, this notebook weighs only 5.41 pounds and is a mere 1.29" thin. And all this for a lot less than you'd expect. Acer—we hear you.

## TravelMate 600TER

- Pentium<sup>®</sup> III processor 600MHz featuring intel<sup>®</sup> SpeedStepTM technology\*
- · 64MB SDRAM
- . 12GB hard drive
- . 13.3" TFT XGA display
- 4X/2X/20X CD-RW drive in modular bay
- · Integrated 10/100 networking
- · Integrated 56K modern
- · Microsoft<sup>a</sup> Windows<sup>a</sup> 98 SE

acer.com 1-800-551-ACER Acer 💔

we hear you

Buy.com 888.880.1030 CDW.com 800.844.4239

of Acer America Corp. and Acer Inc. are registered trademarks of Microsoft

Corp

Computers4SURE.com 800.585.4080

Egghead.com 800.EGGHEAD HardwareStreet.com 888.447.4407 NECX.com Outpost.com 877.OUTPOST PCConnection.com 800.986.2261 ValueAmerica.com 888.656.8258

Zones.com 800.408.9663



## **GATEWAY SOLO 9300CX**

# One (Big) Size

ATEWAY'S SOLO 9300CX IS APTLY NAMED: IT'S SO LOADED WITH options that it could be the only computer many users will ever need. Its huge 15.7-inch screen and powerful 700MHz Pentium III processor place it on a par with many desktops, and its full complement of video and audio features yield a notebook that really delivers a glorious view. Given this top-flight feature set, it's no surprise that its price is equally lofty at \$3,974.

The 9300CX's most eye-catching feature is its big, beautiful screen. At 15.7 inches and with a resolution of 1,280x1,024, its viewable area is larger than that of many 17-inch desktop CRTs. The higher resolution makes for somewhat small text, but the display also handles lower resolutions with aplomb, enabling you to drop the resolution to 1,024x768 if

evestrain sets in.

The unit we tested was loaded with attractive features. An 8x DVD-ROM resided in one bay, and CD-ROM and CD-RW options are available. The second bay was filled by an LS-120 SuperDisk drive, which can be swapped out for a standard floppy drive or a second battery. The ability to run two batteries without removing the DVD drive is an unusual feature that movie buffs are sure to appreciate when they're on the road.

They'll also applaud the smooth, sharp DVD playback made possible by the capable ATI video subsystem. A set of DVD/CD controls lie on the front of

the computer, as well as a lock switch to prevent inadvertent button presses. Although the screen size is large enough for group viewing, the speakers are only slightly better than those of typical notebooks. Sound is rich but lacks volume, so if you want top-quality DVD audio, you'll need to plug speakers into the 9300CX's digital S/PDIF output.

Besides merely spinning movies, the 9300CX can be used to make them, thanks to video inputs and outputs that enable it to serve as a simple video-editing workstation. Note that the inputs and outputs are for composite (NTSC) video, and you'll need the port replicator or docking station if you want to use sharper S-Video. The

unit also has an IEEE 1394 port for importing digital video, although you'll have to supply your own editing software. Connectivity options abound: serial, parallel, Fast IR, docking station, SVGA, PS/2, and two USB ports, plus two Type II PC Card slots supporting CardBus and Zoomed Video, and a jack for the unit's 56Kbps modem.

If you use the unit for video editing, you'll appreciate not only the huge 18GB hard drive, but also the 700MHz Pentium III processor. The 9300CX is not the fastest notebook we've tested, but its Winstone 99 score of 23.9 was quite respectable. The CPU supports Intel's SpeedStep powersaving feature, which drops the processor

down to 550MHz in battery-optimized mode, yielding a Winstone score of

The Solo 9300CX didn't fare as well on our BatteryMark 3.0 tests, lasting 3 hours and 6 minutes in battery-optimized mode (a full hour less than previous models of the 9300 with smaller screens and slower processors), and just 2 hours and 38 minutes in maximumperformance mode.

> That said, we were able to get about 3.5 hours of life in informal

testing, which involved typing while playing MP3 audio.

The keyboard has a solid feel, with no undersize keys. Above the keyboard are volume and mute buttons, as well as four programmable application-launch keys. The touch pad is offset to avoid accidental mouse movement.

While the 9300CX is relatively thin for a desktop-replacement notebook, its bulky dimensions of 1.6x12.7x10.4 inches will make you grateful for the included custom carrying case. It's no lightweight at 8.5 pounds, but that's a reasonable weight for a notebook with this screen size and level of performance.

Software includes Microsoft Office 2000 Small Business, Norton AntiVirus, LapLink Professional, PhoneTools fax software, and basic tools from ATI for video playback and editing. Also notable is GoBack, which monitors changes to your system and lets you return to a previous configuration if your system becomes compromised.

A very capable replacement for a desktop computer, the Gateway Solo 9300CX gives you good performance and a full menu of features at an admittedly considerable price. For videophiles seeking a portable editing solution, this heavyweight system merits a close look.

-Denny Atkin



Huge screen: tons of features. supports video editing Bulky; short battery life; no built-in S-Video ports

SYSTEM: Gateway Solo 9300CX COMPANY: Gateway San Diego, CA; 800-846-4208 www.gateway.com AS TESTED: 700MHz Pentium III; 128MB SDRAM; 18GB hard drive; 15.7-inch active-matrix LCD; 8x DVD-ROM drive; LS-120 SuperDisk drive; ATI Rage Mobility-M1 graphics with 8MB RAM; ESS Maestro audio chip; internal V.90 modern; lithium-ion battery; two Type II CardBus/Zoomed Video-enabled PC Card slots; video input; IEEE 1394 port; touch pad; Microsoft

DIRECT PRICE: \$3,974 ZDNet Price It!

Office 2000 Small Business; additional software

3 3 7 3 1 For real-time pricing, go to priceit.zdnet.com and enter numb IBM THINKPAD 240X MODEL 2609-61U

# Carry a Faster Frequent Flyer

ITH ITS THINKPAD 560, IBM BROUGHT THE NOTEBOOK WORLD TO a new degree of slimness. It next combined small size with low prices in the ThinkPad 240. But the company isn't resting on its laurels. The latest iteration of the 240 series keeps the original's svelte profile but adds a more powerful processor, double the RAM, and outstanding battery life, making it a truly great companion for the road.

IBM introduced the original 240 last year to much applause from slump-shouldered executives. It packed all the ThinkPad trademarks-including a comfortable keyboard and responsive pointing stick-into a unit that was smaller than the 560, for an amazing \$1,999. However, it had significant downsides, including a poky 300MHz Celeron processor and a short-lived

three-cell lithium-ion battery.

At \$2,299, the 3.2-pound ThinkPad 240X Model 2609-61U is more expensive than its predecessor, but it packs a much bigger wallop. You won't have to wonder if you've got enough horses to stay in the race with the unit's 500MHz Pentium III processor, 128MB of SDRAM, 12GB hard drive, Silicon Motion Linx graphics chip with 2MB of memory, and six-cell lithiumion battery. All these features fit inside the 240X's 1x10.2x8inch (HWD) case. The only downside to such small packaging is the notebook's 10.4-inch SVGA display.

The unit is clearly designed for users who demand extreme portability and don't mind doing without additional com-

ponents. Accordingly, it eliminates module bays, meaning that you have to connect the included floppy drive externally through a proprietary port. There's no CD-ROM drive either; a USB version from IBM Options will cost you \$239.

Regardless, the 240X is more than enough machine for basic business applications such as Word documents, spreadsheets, presentations, and e-mail. It keeps pace with and even exceeds other 500MHz Pentium III-based units, with a Business Winstone 99 score of 22.6. Meanwhile, its BatteryMark 3.0 runtime of 3 hours and 53 minutes was astounding for a unit of this size. The 240X achieved this longevity due to its extra-large battery, which protrudes slightly from the

bottom of the unit and props it up for a more comfortable typing angle.

Unlike some other ultraportables, the unit doesn't skimp when it comes to connectivity. In addition to the basics-parallel, serial, PS/2, and USB ports-it includes an integrated 56Kbps modem and a presentationready VGA port. And if you want to connect to a LAN, you can slip a network PC Card into the single Type II PC Card slot. Headphone, microphone, and audio-in jacks are also included.

Overall, the 240X isn't the unit you'd choose to deliver presentations onscreen or view video. Sound quality is lacking, with poor bass and low volume. The 10.4-inch screen is bright but far from panoramic, which is a bit baffling since there's about a

half-inch of room to grow on either side of the display. However, it's big enough to read documents and e-mail (but not large spreadsheets), and you won't have to worry about in-flight screen crunch when the person sitting in front of you decides to recline.

And Big Blue's experience in thinking small definitely shows in the 240X's nice keyboard and responsive pointing stick. The

keyboard is 95 percent the size of those in the larger ThinkPads,

33742 For real-time pricing, go to priceit.zdnet.com and enter number

but it lacks dedicated PgUp, PgDn, Home, and End keys. The easily recognizable red TrackPoint pointing stick is still one of the best pointing devices on the block. You can even make selections by double-tapping on the stick.

On the software side, die-hard Microsoft mavens should be warned that although the 240X runs Windows 98, it's loaded with IBM's own Lotus SmartSuite Millennium productivity suite rather than Microsoft Office or Works. Various networkmanagement features, such as PC99 and DMI 2.0 compliance, are also included. Another convenient extra is ConfigSafe, which takes a snap-

shot of the system's configuration files, directories, and Registry keys for safekeeping in case of a major hard drive failure.

Overall, the system's biggest downside (apart from the lack of a CD-ROM) is its skimpy one-year parts-and-labor warranty. Corporate users may not care because they have in-house IT departments, but individual users should consider an upgrade, which costs \$99 for each additional year of warranty, for up to three years. Toll-free technical support is also available 24/7.

Users who need portability and don't mind making a few sacrifices will definitely appreciate the IBM ThinkPad 240X. Few other machines let you take off this much weight while adding so little to the bottom line. -Richard S. Shim

Superstim; excellen performance; long-lasting erv: fair price

Small screen; no CD-ROM; Smarl screen, skimpy warranty

SYSTEM: IBM ThinkPad 240X Model 2809-6111

COMPANY: IBM Corp. esearch Triangle Park, NC 800-426-7255

www.ibm.com/pc/us/thinkpad AS TESTED: 500MHz entium II; 128MB SDRAM; 12GB hard drive; 10.4-inch SVGA display; external 1.44MB floppy drive: Silicon Motion Linx graphics chip with 2MB VRAM; Crystal SoundFusion audio chip; integrated modem; TrackPoint; Lotus SmartSuite Millennium;

DIRECT PRICE: \$2,299

# Small Price **Huge Value**

# WinBook Si

If you're searching for a high-performance multimedia notebook that doesn't come with a high-end price tag. take a closer look at the WinBook Si.





# Intel® Pentium® III processor

# **600**мнz **Active Matrix** 64 MB, 6 GB

This powerful notebook has all of the features you'll find in computers costing thousands more. Get the latest technology at the lowest Intel® Pentium® III processor price from WinBook today.

Includes Windows 98 Second Edition - the home version of the world's favorite software.

# Intel® Pentium® III processor, 600 MHz, 64 MB, 6 GB HD

- . Thin (1.6") and Lightweight (7.1 lbs.)
- . 12.1" SVGA TFT
- . 64 MB SDRAM, upgrade to 256 MB
- . 6 GB Ultra DMA Hard Drive
- 56kt Capable v.90 Internal Fax/Modem
- ATI 3D Mobility Graphics Accelerator w/4 MB Integrated SDRAM
- Lithium Ion Smart Battery
- 256k Integrated L2 cache On-chip
- . 3.5" Floppy Disk Drive, built-in
- · 24x CD-ROM built-in, no need to swap
- . Integrated Dual-Button Touchpad
- 3-D PCI Audio
- 2x AGP Graphics Port
- · 2 Type II or 1 Type III PCMCIA slots, CardBus and Zoomed Video supported
- Parallel, Serial, PS/2, VGA, 2-way Infrared port, S-Video and USB(2)
- · Kensington lock support
- 1 Year Limited Extendable Warranty
- . Microsoft Windows\* 98 Second Edition, pre-installed

Free Internet Access pre-installed!

888-480-8214

Order Online at: www.winbook.com



159x moderns are capable of 56 kps downloads. Due to FDC rules that restrict power subject, however, cuttered download speeds are liveled to 53 kps. Lipicod speeds any vary begreating or line concilions. Frice and speed from your and subject to subje

Finally, free Internet access with NO surprises, hidden sharges or monthly limitations!

# Easy to Use and Fast

## **Always Free Unlimited Access**

# Free e-mail and More

# Limited Time Offer!



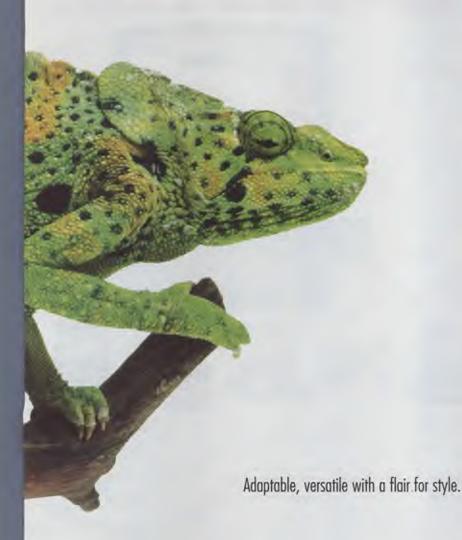
Download Now!

www.winbook.com



## SNOROOCSE

#2000 Sony Electronics Inc. All rights reserved. Reproduction in whole or in part without written permission is prohibited. Prices, specifications and promotions are valid only in the U.S. and are subject to change written holder. Sony is not responsible for hypographical or or in minor in the od. Prices and promotions do not include applicable soles tax as shipping and handling. Sony, I.I.INK, VAIO and the Sony logs are reademants of Sony. Sony VAIC Direct is a review man of Sony. Intell hister byga and Permission are registered waterships and service man is similared. Historian available travels from Financial Services to quartied commercial customers, subject to credit application of lease documentation. Monthly leave payments are based on 36 month for market value leave and do not include taxes. If the processor may be induced to a financial service from the internal customers. What denotes microprocessor internal clock speed, other factors may great a financial service from the market with a favor of permission of the restrictions. What denotes microprocessor internal clock speed, other factors may great an advantage of the restrictions. The processor may be induced to a favor operating an advantage of the restrictions. The processor may be induced to a favor operating an advantage of the reservice of the restrictions.





Always ready for any occasion, the Sony VAIO® XG notebook features a roomy hard drive and hot-swappable multi-bay options for DVDs or CD-ROMs, additional hard drives and much more. Plus, Sony's i.LINK® port lets you connect a variety of Sony products, including i.LINK compatible digital cameras and camcorders. Boasting agility in performance and full desktop functionality, this tiny notebook adapts perfectly to any environment — no matter how far out on a limb business travel may take it. Order your Sony VAIO XG notebook direct from Sony today.

Call 1-888-371-VAIO or go to www.sonydirect.com/csb

# XG29

Intel<sup>®</sup> Pentium<sup>®</sup> III processor 750 MHz<sup>1</sup> featuring Intel SpeedStep<sup>™</sup> technology<sup>2</sup>

18.1 GB3 hard drive

128 MB SDRAM

14.1" XGA TFT screen

About 6 lbs. light, 1.75" thin

Microsoft® Windows® 98 Second Edition Microsoft Windows 2000 Professional also available)

# \$3,599.99

(36 month business lease, only \$113.40)\*

For more information on models and special offers, go to: www.sonydirect.com/csb

GET YOUR VAIO HERE

Sony VAIO Direct\*\*

www.sonydirect.com/csb

The response to ProStar's new line of high performance notebooks has been phenomenal. ProStar offers the best of the best in notebook technology at rock bottom prices so you get immediate savings. Visit our web site at www.shopprostar.com and visit the "ProStar Value of the Month" page for notebooks that have been specially priced to save you hundreds of dollars.



800.243.5654

In California: 626.854.3428 www.shopprostar.com











### Common Features

- > 102-key Keyboard with Numeric Keypad
- > 256KB On-Die L2 Cache
- > 2X AGP 8MB ATI Rage Pro 3D Video Removable 6.0GB, 12.0GB, or 18.0GB Hard Drive opt.
- > Removable 3.5 1.44MB FDD exchangeable with opt LS-120, lomega Zip Drive, or 2nd HDD > 3D Surround Sound with Hardware Wavetable
- > 2 Built-In Stereo Speakers and 1 Built-In Microphone
- > Built-In Touchpad Pointing Device
- > 2 Type II or 1 Type III PEMCIA Slots which support ZV-Port and Card Bus
- > PCMCIA 56K Capable! V90 Modern
- 75.6w Smart Lithium-Ion Battery
- > Infra Red, Wireless Fast IR Interface > 1 IEEE 1394 Port & 1 Video-In Port
- > 2 USB Ports & 1 TV-Out Port
- > Other Ports: 1S, 1P, Ext. Keyboard and Ext. CRT
- > Jacks; 1 Line-in, 1 Line-Out and 1 Microphone > Microsoft\* Windows\* 98
- > Carrying Case and AC Adapter

15.1" XGA Active Matrix Display Mabile Pentium® III Processor 700MHz Featuring Intel® SpeedStep "Technology 128MB 100MHz SDRAM expandable to 256MB Removable 18.0GB Hard Drive\* :2645 6X' Max. DVD-ROM Drive

15.1" XGA Active Matrix Bisplay Mobile Pentium® III Processor 750MHz Featuring Intel® SpeedStep "Technology 256MB 100MHz SDRAM expandable to 256MB Removable 18,0GB Hard Drive' 6X' Max. DVD-ROM Drive.



## Common Features

- > 128KB On-Die L2 Cache (Intel® Celeron® Processor)
- > 256KB On-Die L2 Cache (Intel® Pentium® III Processor) > 2X ASP 8MB ATI Rage Pro 3D Video
- Removable 6.0GB, 12.0GB, or 18.0GB Hard Drive opt.
- > 3.5' 1.44MB Floppy Disk Drive
- > 3D Surround Sound > 2 Built-In Stereo Speakers and 1 Built-In Microphone
- Built-In Touchpad Pointing Device
- > 1 Type II PCMCIA Slot which supports ZV-Port and Card Bus
- > Built-in 10/100 Pthernet Lan Adapter
- > Smart Lithium-Ion Battery
- > Infra Red, Wireless Fast IR Interface
- > 2 USB Ports
- > Other Ports: 1S, 1P, Ext. Keyboard and Ext. CRT
- > Jacks: 1 Line-In, 1 Line-Out and 1 Microphone > Microsoft\* Windows\* 98
- > Carrying Case and AC Adapter
- > Slim Notebook: 12.8'w x 10.15'd x 1.49'h

15.1" XGA Active Matrix Display Intel® Celeron\*\* Processor 500MHz 64MB 100MHz SDRAM expandable to 256MB Removable 6.0GB Hard Drive<sup>4</sup> 24X" Max. CO-ROM Drive (6X" Max. DVD opt.) \$1895

15.1" XGA Active Matrix Display Mobile Pentium® III Processor 600MHz Featuring Intel® Speed Step "Technology 64MB 100MHz SDRAM expandable to 256MB Removable 12.0GB Hard Drive\* :2195 6X Max, DVD-ROM Drive



### Common Features

- > 256KB On-Die L2 Cache
- > 2X AGP 8MB ATI Rage Pro 3D Video
- > Removable 6.0GB, 12.0GB, or 18.0GB Hard Drive opt. > Removable 3.5" 1.44MB FDD exchangeable with opt. LS-120 or 2nd HDD
- > 3D Surround Sound with Hardware Wavetable > 2 Built-In Stereo Speakers and 1 Built-In Microphone
- > Built-In Touchpad Pointing Davice
- > 2 Type II or 1 Type III PCMCIA Slots which support ZV-Port and Card Bus
- > PCMCIA 56K Capable<sup>1</sup> V90 Modem
- > Smart Lithium-Ion Battery
- > Infra Red, Wireless Fast IR Interface.
- > 1 IEEE 1394 Port
- > 2 USB Ports & 1 TV-Out Port
- > Other Ports: 1S, 1P, Ext. Keyboard and Ext. CRT > Jacks: 1 Line-In; 1 Line-Out and 1 Microphone
- Microsoft® Windows® 98
- > Carrying Case and AC Adapter
- > Sim Notebook: 12.4'w x 10.1'd x 1.4'h

14.1" XGA Active Matrix Display Mobile Pentium® III Processor 700MHz Featuring Intel® Speed Step "Technology 128MB 100MHz SDRAM expandable to 256MB Removable 12.0GB Hard Drive<sup>4</sup> 24X Max. CD-ROM Drive (6X Max. DVD opt.) 52245

14.1" XGA Active Matrix Display Mobile Pentium® III Processor 750MHz Featuring Intel® Speed Step" Technology 128MB 100MHz SDRAM expendable to 256MB Removable 12.0GB Hard Drive<sup>1</sup> 6X' Max. DVD-ROM Drive



## Common Features

- > 128KB On-Die L2 Cache (Intel® Celeron® Processor)
- 256KB On-Die L2 Cache (Intel® Pentium® III Processor)
- > ZX AGP 8MB ATI Rage Pro 3D Video > Removable 6.0GB, 12.0GB, or 18.0GB Hard Drive out.
- Removable 3.5' 1.44MB FDD exchangeable with opt. LS-120 or 2nd HDD
- > 3D Surround Sound with Hardware Wavetable
- > 2 Built-In Stereo Speakers and 1 Built-In Microphone
- > Built-In Touchpad Pointing Device
- > 2 Type II or 1 Type III PCMCIA Slots which support
- ZV-Port and Card Bus > PCMCIA 56X Capable V90 Modem
- > Smart Lithium-Ion Battery
- > Infra Red, Wireless Fast IR Interface
- > 1 IEEE 1394 Port
- > 2 USB Ports & 1 TV-Out Port
- > Other Ports: 1S. 1P. Ext. Keyboard and Ext. CRT
- Jacks: 1 Line-In, 1 Line-Out and 1 Microphone
- > Microsoft® Windows® 58 > Carrying Case and AC Adapter
- > Slim Natebook: 12.4'w x 10.1'd x 1.4'h

14.1" XGA Active Matrix Display Intel<sup>®</sup> Celeron \*\* Processor 500MHz 54MB 100MHz SDRAM expandable to 256MB Removable 6.0GB Hard Drive' 24X' Max. CD-ROM Drive (6X' Max. DVD opt.)81/95

14.1" XGA Active Matrix Display Mobile Pentium® III Processor 600MHz Featuring Intel® Speed Step® Technology 64MB 100MHz SDRAM expandable to 256MB Removable 12.0GB Hard Drive\* :2045 6X' Max. DVD-ROM Drive

LS-120 Drive • Iomega Zip Drive • Car Adapter • Port Replicator • Numeric Keypad • PCMCIA Cards (V90 Data/Fax, Ethernet 10/100 16-Bit, MPEG-II) . Please call for options availability, most options are notebook specific. 888-576-4742 Business leasing available on all ProStar systems. Lifetime toll-free technical support. One year parts and or warranty. 30-day money back guarantee. 3 year warranty from Phillips Magnavox.

(Optional on every ProStar System). Dealer/VAR, Government and Corporate pricing available. Call a ProStar representative for details. GSA Contract # GS-35F-5084H 1128 Coiner Court, City of Industry, CA 91748 • Tel (626)854-3428 • Fax (626)854-3438 • Hours: Mon-Fri, 7:30am-6:00pm, Sat, 9am-3pm (PST) • American Express, VISA and MasterCard Credit Cards Accepted - NO SURCHARGE.

# 



## Common Features

- > 256KB On-Die 12 Cache
- > ZX AGP 8MB ATI Rage Pro 3D Video
- Removable 6.0GB, 12.0GB or 18.0GB Hard Drive opt.
- > Removable 3.5" I.44MB FDD exchangeable with opt. LS-120 or 2nd HDD
- > 3D Surround Sound with Hardware Wavetable
- > 2 Built-In Stereo Speakers and 1 Built-In Microphone
- > Built-In Touchpad Pointing Device
- > 2 Type II or 1 Type III PCMCIA Slots which support ZV-Port and Card Bus
- PCMCIA 56K Capable' V90 Modern
- > Smart Lithium-Ion Battery
- > Infra Red, Wireless Fast IR Interface
- > 2 USB Ports & 1 TV-Out Port Other Ports: 1S, 1P, Ext. Keyboard and Ext. CRT
- > Jacks: 1 Line-In, 1 Line-Out and 1 Microphone > Microsoft<sup>a</sup> Windows<sup>a</sup> 98
- > Carrying Case and AC Adapter

14.1" XGA Active Matrix Display

Removable 12.0GB Hard Drive<sup>4</sup>

Intel® Pentium® III Processor BDDMHz

6X1 Max, DVD-ROM Drive & LS-120 Drive

128MB 100MHz SDRAM expandable to 256MB

> Slim Notebook: 12.4'w x 10.1'd x 1.4' h

14.1" XGA Active Matrix Display Intel® Pentium® III Processor 700MHz. 128MB 100MHz SDRAM expandable to 256MB Removable 12.0GB Hard Drive\* 6X1 Max. DVD-ROM Drive

:2445 6X' Max, DVD-ROM Drive

13.3" XGA Active Matrix Display Intel® Celeron® Processor 500MHz 64MB 100MHz SDRAM expandable to 256MB Removable 6.0GB Hard Drive\* \$2195 Removable 6.0GB Hard Drive\*
24X\* Max. CD-ROM Drive (6X\* Max. DVD opt.)
\$1695

> 13.3" XGA Active Matrix Display Intel® Pentium® III Processor 600MHz 64MB 100MHz SDRAM expandable to 256MB Removable 6.0GB Hard Drive<sup>4</sup> **\$1945**

13.3" XGA Active Matrix Display Intel® Pentium® III Processor 600MHz 64MB SDRAM expandable to 256MB Removable 12.0GB Hard Drive\*

24X' Max. CD-ROM Drive (6X' Max. DVD opt. )\*1695

12.1" SVGA Active Matrix Display Intel® Celeron\*\* Processor 500MHz 64MB SDRAM expandable to 256MB Removable 6.0GB Hard Drive\*

Removable 12.068 Hard Drive\*
24X' Max, CD-ROM Drive (6X' Max, DVD opt.) \$1845

Removable 6.0GB Hard Drive\*
24X' Max, CD-ROM Drive (6X' Max, DVD opt.) \$1395

:1245

Visit us at www.shopprostar.co



- > 128KB On-Die L2 Cache (Intel® Celeron® Processor)
- > 256KB On-Die LZ Cache (Intel® Pentium® III Processor)
- > 2X AGP 8MB ATI Rage Pro 3D Video
- > Removable 6.0GB, 12.0GB or 18.0GB Hard Drive opt
- > Removable 3.5' 1.44MB FDD exchangeable with opt. LS-120 or 2nd HDD
- 3D Surround Sound with Hardware Wavetable
- > 2 Built-In Stereo Speakers and 1 Built-In Microphone
- > Built-In Touchpad Pointing Device > 2 Type II or 1 Type III PCMCIA Slots which support ZV-Port and Card Bus
- > PCMCIA 56K Capable<sup>1</sup> V90 Modem
- > Smart Lithium-Ion Battery > Infra Red, Wireless Fast IR Interface
- 2 USB Ports & 1 TV-Out Port
- > Other Ports: 1S, 1P, Ext. Keyboard and Ext. CRT
- > Jacks: 1 Line-In. 1 Line-Out and 1 Microphone
- > Microsoft® Windows® 98
- Carrying Case and AC Adapter
- > Sim Notebook: 12.4'w x 10.1'd x 1.4" h



- > 128KB On-Die L2 Cache (Intel® Celeron® Processor)
- > 256KB On-Die L2 Cache (Intel® Pentium® III Processor)
- 2X AGP 8MB ATI Rage Pro 3D Video
- Removable 6.0GB or 12.0GB Hard Drive opt. > Removable 3.5" 1.44MB FDD exchangeable with opt, CD-ROM, DVD-ROM, or LS-120
- > 3D Surround Sound with Hardware Wavetable
- > 2 Built-In Stereo Speakers and 1 Built-In Microphone
- > Built-In Touchpad Pointing Device > 1 Type II PCMCIA Slot
- > 56K Capable<sup>3</sup> V90 Modem
- > Smart Lithium-Ion Battery
- > Infra Red, Wireless Fast IR Interface
- > 1 USB Port & 1 TV-Out Port
- > Other Ports: 1S, 1P, Ext. Keyboard and Ext. CRT
- > Jacks: 1 Line-In, 1 Line-Out and 1 Microphone > Microsoft\* Windows\* 98
- > Carrying Case and AC Adapter

13.3" XGA Active Matrix Display

Removable 6.0GB Hard Drive\*

Intel® Celeron® Processor 500MHz

64MB SDRAM expandable to 256MB

> Super Slim Notebook: 11.93'w x 9.05'd x 1.16'h

- > 128KB On-Die I 2 Cache
- > AGP 4MB S3 Pro 3D Video
- > Removable 6.0GB or 12.0GB Hard Drive opt.
- > 3.5" 1.44MB Floppy Disk Drive
- > 3D Sound Effect
- > 2 Built-In Stereo Speakers and 1 Built-In Microphone
- > Built-In Touchpad Pointing Device
- > 2 Type II PCMCIA Slots which support ZV-Port
- and Card Bus
- > NiMH Battery (Smart Lithium-Ion Battery opt.) > Infra Red, Wireless Fast IR Interface
- 1 USB Port & 1 TV-Out Port
- > Other Ports: 1S, 1P, Ext. Keyboard and Ext. CRT > Jacks: 1 Headphone and 1 Microphone
- A4 Size 86-Key Keyboard for Easy Typing
- > Microsoft" Windows" 98

12.1" SVGA HPA Display

Intel® Celeron\*\* Processor 500MHz

Removable 6.0GB Hard Drive<sup>4</sup>

24X2 Max. CD-ROM Drive

32MB SDRAM expandable to 256MB

- > Carrying Case and AC Adapter
- > Super Slim Notebook: 11'w x 9.4'd x 1.5'h

7X Minimum, 10X Minimum, Download speeds limited to 53Kbps, Upload speeds are less. Actual data speeds will vary depending on line conditions. Total HD accessible capacity may vary depending on operating environment. 62000 by ProStar Computer Inc. All regits received. Into, the Intel Inside logs and Pentium are registered trade-warks. SpeedStre and Colorion are redemarks of Intel Consention. All other companies and product names are waterwarks of their respective companies. Bealer price is not subject to 30 days money back guarantee program Openiol software and shipping charges are non-refundable. 33-day money back guarantee does not include return feriging on shapping and handling charge. Not responsible for photo or typing sphical errors. Price and forms subject to change without notice.

800.243.5654



OMNISKY WIRELESS INTERNET SERVICE

# The Web in Your Hand, Wirelessly

ANT OCCASIONAL WIRELESS WEB ACCESS from a handheld, but can't face trading in your slick Palm V for a clunky Palm VII? If so, check out the new Wireless Internet Service and snap-on modem combo from OmniSky. It's not cheap, but the package delivers some strong advantages over the Palm VII, including support for POP e-mail and general browsing.

To use the OmniSky service, you need to buy the \$299 Minstrel V CDPD modem. The modem clips onto the back of Palm V and Vx units. At 8.5 ounces and 4.9x3.3x0.8 inches (HWD), the combination roughly doubles the size of the compact Palm V and weighs more than the 6.7-ounce Palm VII. But when you're not accessing data, simply detach the modem to revert to the svelte measurements of the Palm V.

The modem is easy to attach and fairly sturdy, with a collapsible antenna that extends an additional 4 inches. The unit has an internal rechargeable battery and comes with an AC adapter/charger.



The OmniSky CDPD service costs \$39.95 per month for unlimited nationwide access via the CDPD networks of AT&T and Verizon. Its maximum speed is 19.2Kbps, about twice as fast as the 9.6Kbps rate on the Bell South Wireless network used by the Palm VII. Unfortunately, a strong signal is required to reach anything close to that speed, and coverage was a bit spotty during testing in the New York metropolitan area.

But OmniSky makes up for those service deficiencies with some strong added features. You access wireless apps through a menu interface that includes four icons on the left edge of the screen (Os Mail, Web, Directory, and Search), a scrollable list of 12 content categories, and a pull-down list of bookmarks. OmniSky's out-of-the-box compatibility with standard e-mail and Web browsing is a major advantage: It supports up to six POP e-mail accounts and, using Aether Software's ScoutWeb app, can display text from any Web site.

OmniSky is also compatible with AvantGo content as well as all of the Webclipping applications that have been developed for the Palm VII. Factoring in additional sites that have agreed to develop interfaces for OmniSky, the service will deliver Palm-

optimized content from more than 2,200 sites, according to the company. The preformatted choices are definitely easier to read and use on the Palm V's small screen, but the text-only browsing is also relatively usable.

OmniSky is a compelling choice for Palm V users who need occasional mobile Web and e-mail access. When not accessing data, the Palm reverts to its pocketable, slim format that's made it so spectacularly popular. -Bruce Brown

COMPANY: OmniSky Corp. Palo Alto, CA; 800-860-5767 www.omnisky.com DIRECT PRICE; \$299 for modem, plus \$39,95 per month ZDNet Price It!

PRODUCT: Omnišky

\*\*\*

RATED 1 TO 5 STARS Great hardware design:

Expensive; spotty service



For real-time pricing, go to priceit\_ranet.com and enter number

\*\*\*\*

RATED 1 TO 5 STARS

Highly customizable; good

# SHADOWPACK



IF YOU'RE ONE OF THE few people who believe your wireless devices don't beep often enough, Shadowpack is

for you. This free information-management service lets you organize a multitude of content for a wide array of wireless devices. And its convenient online interface and loads of customizable options make it a valuable resource for information junkies and black-belt online shoppers alike.

To use Shadowpack, you need a compatible device and the free software download. The company supports a wide range of devices that includes two-way pagers, personal digital assistants, and microbrowser-equipped smart phones.

Once you're geared up, simply visit the Shadowpack site and register. You'll receive a password-protected account and plenty of choices. The program allows you to subscribe to a variety of content offerings, with multiple choices in news, sports, weather, entertainment, reference, finance, and shopping. You can monitor an e-mail account and manage profiles on all your wireless gadgets or through the company's site.

Shadowpack's true value lies in its role as a warehouse for your personal data. You can input as much or as little information as you like, ranging from credit-card numbers, account names, and passwords to favorite teams, air-

ZDNet Price It! 3 3 7 3 2 For real-time pricing, go to priceit zalvet com and enter numb

SERVICE: Stadownack

COMPANY: Shadowpack

Dublin, OH: 800-432-6201 www.shadowpack.com

None None

PRICE: Free

line seating preferences, and culinary ratings. Your data is kept secure with SSL Plus encryption from Certicom.

The more information you enter, the more useful Shadowpack becomes. For example, you can receive updates on local weather, your favorite teams' scores, the gate of your next flight, and restaurant recommendations that match your tastes. And if you store financial information with Shadowpack, you won't have to reenter your credit-card information every time you buy online, or input your login, password, and bank-account number to get your latest balance.

Shadowpack earns kudos for its personalized framework, crisp interface, ease of use, and breadth of content. It certainly won't lower your monthly service bills, but it will probably save you some eye and finger strain. -Marge Brown

REE APC T-Shirt the first 100

----rinner will win a FREE APC UPS! rtrants. One lucky

one of the first 100 to mail or fax this completed upon or contact APC and enter to win a FREE APC shirt! One lucky winner will win a FREE APC UPS! tter yet, enter today at the APC Web site! ttp://promo.apcc.com t900z

888) 289-APCC x8791 \* FAX. (401) 788-2797

Legendary Reliability"

# FREE APC T-SHIRT to the first 100 entrants One lucky winner will win a FREE APC UPS!

APC Back-UPS" Office 500

☐ YES! Enter me to win a FREE APC T-shirt ☐ NO, I'm not interested at and possibly a FREE APC UPS! this time, but please add

me to your mailing list.

The contract of the contract o	Сотранг			
Address				
Oh/Town.	State	42	Courtry.	
Phone	Entel			
Brand of PC used?			1	
Brand of UPS used?				
Brand of Surge used?			,	
	The second secon		The same of the same	H

UNITED STATES NO POSTAGE NECESSARY IF MAILED IN THE

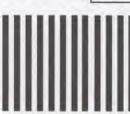
# **BUSINESS REPLY MAIL** FIRST-CLASS MAIL PERMIT NO. 36 WEST KINGSTON RI

POSTAGE WILL BE PAID BY ADDRESSEE

Department: C 132 FAIRGROUNDS ROAD PO BOX 278 KEY CODE: t900z

WEST KINGSTON RI 02892-9920

Illiandalladadadadadadalladadadad



# How to Contact APC

Call: (888) 289-APCC

use the extension on the reverse side

Fax: (401) 788-2797

use the key code on the reverse side Visit: http://promo.apcc.com



# New Back-UPS Office®: Complete power protection starting at \$79

8 million computer users can't be wrong about APC power and data protection

Personal computer users across the country recognize APC as a leader in power protection. Now, home users are finding multiple uses for APC products.

Some use their APC to protect a television or home electronics during a disaster. Still others will use APC to protect sophisticated audio and visual equipment from damaging electrical surges. At the same time, APC protects more computers and networks than any other UPS vendor!

Enjoy the dependability of APC, a \$25,000 equipment protection guarantee on all APC UPSs, and the Lifetime Guarantee' that comes with all APC surge protection products.

Visit your reseller or the listed retailers and try one today!





APC also provides the most reliable surge protection for your computer, your peripherals and your fax/modem lines.

# An APC Back-UPS Office gives you:

 Surge protection on all six outlets to protect your computer plus displays, printers, scanners and more

- Emergency battery power on three outlets for continuous uptime through brief power outages to help save your data
- Telephone/modem surge suppression to maintain your online connection
- Auto-shutdown software which saves your files and data, even when you're away from your computer

# APC safety and reliability benefits:

 User-replaceable batteries reduce service costs

- · Building Wiring Fault indicator
- Audible and visible alarms alert you to power events as they occur
- \$25,000 Equipment Protection Policy (U.S. and Canada only)
   'See policy for details



You can find APC power protection products at these stores or visit http://promo.agcc.com and click on "how to buy" to find your nearest reseller.



Microva REHOUSE

MIDWEST MICRO 800-943-5576

**◎ firstsource.com**■ The state of the st

That Are Changing The World" (10/99).





FREE APC T-shirt for the first 100 entrants. One lucky winner will receive a FREE APC UPS.
To order: Visit http://promo.apcc.com Key Code t900z • Call 888-289-APCC x8791 • Fax 401-788-2797

\$2000 American Power Conversion, All Trademarks are the property of their owners. APCH/#8EF-UST • PowerFax: (S00) 347-FAXX • E-mail: apcinfo@apcc.com • 132 Feirgrounds Road, West Kingston. BI 02892 USA





# APPLE IBOOK SPECIAL EDITION

# More Than Before, But Less Than Special

NYONE WHO WAS TEMPTED TO GROWL "YEAH, BABY!" WHEN THEY saw Apple's first round of funkadelic iBooks will surely appreciate the latest in the line, the slick graphite-and-pearl iBook Special Edition. But though it shares the Austin Powers design flair of the original, it doesn't offer much extra mojo for the money, making the less expensive tangerine and blueberry units a better choice.

The Special Edition bears a special price of \$1,799, \$200 more than a standard iBook. For the extra C notes, buyers get a different color scheme and a faster 366MHz PowerPC G3 CPU, as opposed to the 300MHz processor of the basic iBook. Memory and hard drive specifications for the entire iBook line have also been updated, to 64MB of RAM and a 6GB hard drive. An upgrade to 128MB of SDRAM will cost you an additional \$200.

Otherwise, the iBook is quite similar to its fruit-colored older siblings, with the same curvy lines and translucent two-tone appeal. Its TFT display remains a relatively small 12.1 inches. The screen is sharp and clear, but limited to a maximum resolution of 800x600. Bundled software includes a basic beginner package of the AppleWorks suite, Netscape Navigator, Internet Explorer, and IBM's World Book Encyclopedia on disc.

The unit also comes with the basic connectivity options, including a USB port, a 10/100BaseT Ethernet

connection, and an AirPort card slot. To take advantage of the iBook's wireless networking capabilities, you'll need an AirPort card, which will set you back \$99. One handy feature absent from earlier versions (which is now standard) is the iBook's ability to act as a wireless base station. Install the AirPort 1.1 software, and you can share your Internet connection with other wireless Macs, without having to shell out \$299 for the AirPort Base Station

Unfortunately, serious power users will likely want more connectivity choices than what even this pumped-up iBook



provides. The system lacks a FireWire connection, a DVD-ROM option, PC Card slots, and a VGA or S-Video-out port. What's more, the built-in speakers are mono only (although the headphone jack is stereo). So those who want to edit home movies or need an expandable system will have to move up to a PowerBook. And like its iMac desktop counterpart, the iBook forgoes a floppy drive, which, in a portable, is a more important component because the iBook is likely to be used away from the office (or campus) T1 line.

So is the Special Edition really all that

special? According to Macworld's MacBench 5.0 tests, the 366MHz G3-based iBook Special Edition does give you the expected processor performance boost over the regular iBook, but it's not one that you're likely to notice. Hard drive scores were on a par with those of the standard 300MHz iBook, and graphics results were only a tad better. This could be due to the ATI Rage Mobility graph-

ics controller.

which comes with a somewhat limited 4MB of SDRAM. However, the unit did last 4 hours in Macworld's battery test. While that's a strong showing, it falls short of Apple's claim of 6 hours of battery life.

\*\*

RATED 1 TO 5 STARS

roomier hard drive then

Comparatively pricey. Comparatively phos limited connectivity

Apple Computer Cupertino, CA: 800-795-1000

AS TESTED: 356MHz PowerPC G3; 54MB RAM; 6GB hard drive; 12.1-inch SVGA TFT

LCD; 24x CD-ROM; ATI Rage

Mobility AGP 2x graphics adapter with 4MB SDRAM, 56Kbps

modern; 10/100BaseT Ethernet;

ZDNet Price It!"

33744

For real-time pricing, go to priceit zanet.com and enter number

DIRECT PRICE: \$1,799

Stylish; more RAM and roomier hard drive than

original iBook

SYSTEM: Apole (Book Special Edition

COMPANY:

www.apple.com

touch pad; Mac OS 9

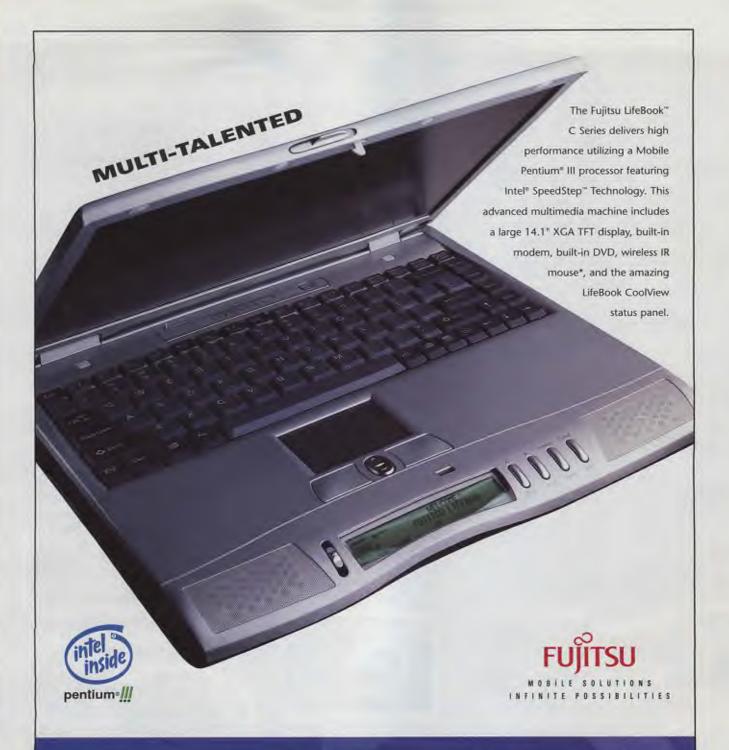
Overall, the iBook Special Edition, like the rest of the line, is something of a love-itor-hate-it choice. While it's more than fine for surfing the Net, getting your e-mail, and handling standard word processing tasks, it won't make gamers or business users happy due to its limited connectivity options and middleof-the-road performance.

The design, no matter how eye-catching, is also something of a double-edged sword. Even in corporate graphite, its curva-

ceous clam-like shape still seems more at home in a teenager's bedroom than in an office. And considering what's under the hood, the iBook is definitely a bit on the chunky side, tipping the scales at 6.6 pounds.

Nevertheless, the iBook is undeniably one of the better-built notebooks on the market. So if you're a Mac fanatic and like the retro design and snug ergonomics of the iBook Special Edition, consider a standard iBook. It costs \$200 less than the Special Edition, and the only compromise you'll have to make is settling for the slightly slower 300MHz processor.

-John R. Quain



What would you call a feature-rich notebook that excels in both multimedia and performance? We call it our LifeBook C Series. A beautifully engineered notebook that acts like a desktop; this is the ultimate multimedia machine. With its LifeBook CoolView status panel, wireless IR mouse\* and personal CD player this superstar provides advanced Yamaha audio and ATI video features you want.

Includes Windows\* 98 Second Edition the home version of the world's favorite software. For a complete line of Fujitsu mobile products, please visit us at www.fujitsupc.com or call us at 1-877-FPCDirect.

# Buy with CONFIDENCE. Advertising in Computer Shopper for 16 years.

# DIGITAL CAMERAS

Sony FD73/FD83	53/8EA
Sany FD8S/FD 91	899/79
Sany DSC 505	98
Sony FD85/FD90	619/700
Sony DSCS 30/50	459/556
Sony DSCS70	74

# RICOH

EPSON	
EL SOLA	

Photo PC 8502	- 6
Photo PC 3000Z	8
CANON	
910:	C

	TOSHIBA	
PDRM	4	-40
PDRM	5	15
PDAM	70	

# MONITORS

30 om	Palm	Plo XE		245
3Com	Parmil C	PM SC		490
		Pllat 5		
	~~	Dillar		400

# FACTORY REFURBISHED SPECIALS

Epson 440/640	*59/109
Epson 740/0000	158/929
Epton (52)	320
Epron 900	'199
HP 1100 AXCI	309
	839/1049
HP 2100	509
Lormark 5700	180
Inson 8507 Comera	E20

# Visit our web site: www.harmonycomputers.com



# LAPTOPS

Presario	1200-XL106	1049
Presario	1200-XL110	1279
		1599
	1200-XL118	
	1600XL145	
Presurio	1900 XI 163	2049
Presurio	1900XL 161	1949

# TOSHIRA

	Committee of the Commit	
1605	CDS	979
1625	CDT	1179
2140	XCDS	1199
2180		1179
2655	XDVD	1999
2675		1749
2715	XDVD OVOX	2099
4260	DVD	2149
4280	DVD DVD	2549
4280	7 DVD	2749

F420	**********			1549	
F430	/F450	III II	2199/	2549	
F480	F490		3099/	3499	
YGIR	/X619		3300/	3200	

# EPSON

Stylus 740/760	*89/119
5tylui 760/900	219/249
Stylin 1160/1270	"359/439

### IEVMADY.

	BEN STATE	Delivery.
Colonia	5700/5770	*897*229
Chinisa	1751	330

# D360L NEW!



D460Z 1280 x 960 1.3 megapixel \* Memory 8MB 2X Digital, 3X Optical LOW LOW PINCE!







# C2500L 1712 x 1368 2.5 megapixel \* Memory 32MB 3X Optical LOW LOW PRICE!





1152 x 864 1 megapixel \* Memory 4MB 2X Optical Zoom LOW LOW PRICE!



# Nikon



# NIKON 950

1600 x 1200 -2.11 megapixel Memory 8MB 3X Optical 2.5X Digital Zoom LOW LOW PRICE!



# NIKON 990

2048 x 1536 \* 3.34 megapixel Memory 16MB 3X Optical 4X Digital Zoom LOW LOW PRICE!



# KODAK DC280

1760 x 1168 + 2 megapixel Memory 8MB 2X Optical 3X Digital Zoom LOW LOW PRICE!



# KODAK DC290

2240 x 1500 \* 3.3 megapixel Memory 8MB 3X Optical 2X Digital Zoom LOW LOW

PRICE

# Harmo

800-870-1663

Computer Shopper OPEN SUNDAY 10:30-4:30 MON .- THUR. 9-6:30 FRIDAY 9-3 EST

N.Y. 718-692-3232 1801 Flatbush Avenue, Brooklyn, NY 11210 CUSTOMER SERVICE 718-692-2828

Visit our web site: www.harmonycomputers.com

# **OLYMPUS**

# D-360L **DIGITAL CAMERA**

- + 1280x960 resolution

- 2x Digital Tele/wide mode
   built-in 1.8\* LCD display
   8MB SmartMedia card included



# Kodak &

# DC290 ZOOM **DIGITAL CAMERA**

- image resolution 20MB pix card included
- + 2.0° TFT color LCD AutoFocus 3x zoom Low Price
- 2x digital zoom + USB cable for Win & Mac



# Kodak @

# DC240 ZOOM **DIGITAL CAMERA**

- + 1.3 megapixel CCD (1280x960) + USB Plug & Play capability
- + 3X Optical plus 2X digital zoom + Color LCD
- + 8MB Picture Card



# nnner **EPSON**

# PHOTO PC 850z DIGITAL CAMERA

- 3X optical zoom/2X digital zoom Up to 1984x1488 pixels with
- Epson HyPict technology
- Aperture priority, shutter priority and spot metering USB and serial compatibility for
- Factory Refurbished



# Nikon COOLPIX 990

# DIGITAL CAMERA

- 3.34 megapixel 1/1.8° CCD produces ultra high-definition
- 2048 x 1536 pixel images Newly designed 3X Zoom-Nikkor lens has focal range of 8-24mm
- Virtually stepless digital zoom magnifies to 4X
   USB Connectivity



# OLYMPUS

# C-3030 ZOOM **DIGITAL CAMERA**

- (2048 x 1536)
- 15 Resolution modes
   Manual/Auto focus 3X optical zoom lens
- + Auto variable 2.5X digital
- telephoto lens + 32MB Internal SD-RAM 5 Mode flash system w/ external



# (D)

# LASERJET 1100 XI LASER PRINTER

- 600 DPI resolution
- · HP PCL 5e
- + 2MB mem. std.



# Com

# PALM Vx

And it stores more than

- LCD/Backlit screen · Infrared capability

# PALM IIIC Color Active TFT display Enhanced viewing

Com

experience in color



# HEW!

# DESKJET 970CXI

- 12 ppm black
- 10 ppm color
   600 DPI black
- 2400x1200 DPI color
- 150 sheet input capacity
- IEEE 1284, USB



# Canon

# BJC-2100

- + Utilizes drop-in ink loading system



# COLOR PRINTER -

- . Unique duplex printing feature, allowing Windows users to print on both sides of
- + Connects to any USB-compatible PC or Mac



- cable included

# online at

SECURE SHOPPING . EXTENSIVE INVENTORY . CUSTOMIZED SHOPPING EXPERIENCE . DETAILED PRODUCT INFORMATION

# brothe

# **HL1240**

- 12 ppm 600x600 dpi 200 sheet
- 2 MB Ram
- Optimized

for Windows

BRAND NEW



# PAGKARD

# LASERJET 2100

- + 10 ppm + 1200x1200 dpi
- + 4MB Ram, up to 52mg
- Network optional
- One Year HP Express Exchange



# **EPSON**

# STYLUS COLOR 740 INK JET PRINTER

- 1440x720 DPI · 4-color (CMYK)
- quick drying ink Built-in USB support

# 50 Win./Mac Comp 9ppm blk/ 5ppm clr

# EPSON STYLUS

- COLOR 760
- 77ppm black/6 ppm color
   Ultra small 4 picoliter ink droplets
- + Microsoft Windows 95/98/NT
- Macintosh and iMac compatible Great software included Polaroid PhotoMAX Pro, ArcSaft PhotoPrinter SE, eFax and your chaice of two popular

\*150



# **EPSON**

# PERFECTION 1200U

- **USB SCANNER** 1200x2400 dpi resolution opti-cal, 9600 dp1 interpolated
- 36-bit color, 8-bit grayscale
- + 8.5"x11.7" maxim · USB interface

# Acer

# CDRW8432A

- **CD-RW DRIVE**
- 32X Read
- + 4X ReWrite
- Compatible with CD-R
- and CD-RW media Flash Memory upgradeable - BMB Buffer



# COMPAG

# PRESARIO 1200-XL-106

- . 5.0GB hard drive



# TOSHIBA

# SATELLITE

- 1605CDS



# **EPSON**

# STYLUS COLOR 1160 + Superior 1440x720 DPI color

+ Prints up to 9 ppm black/ 7ppm Prints up to 13" x 44" format

+ Built-in USB and parallel ports, optional external ethernet support



- NOTEBOOK
- 475MHz AMD-K6-2 / 475 13.0" HPA
- 24x CD-ROM + 56K modem

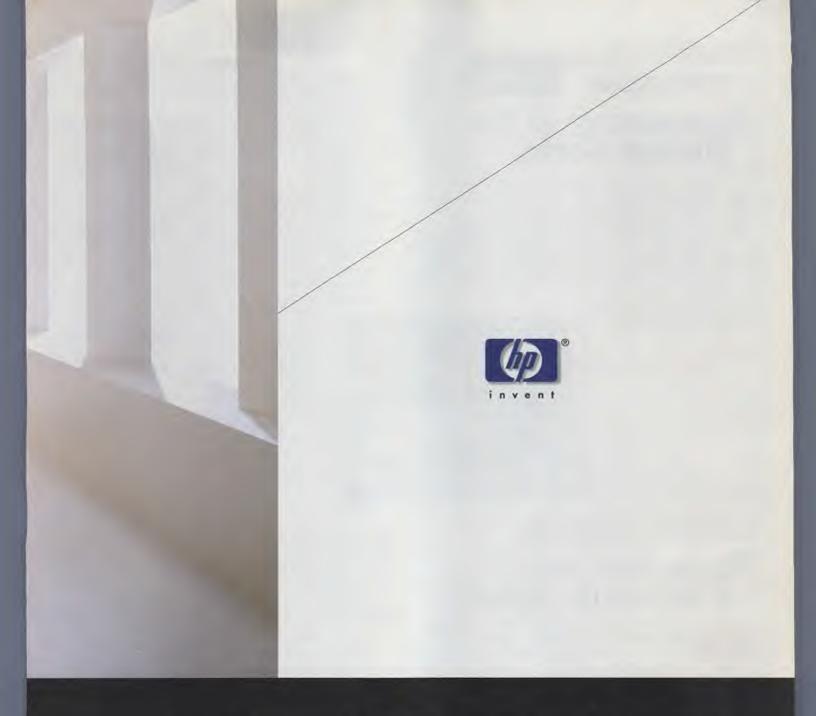


- AMD K6-II 450 MHz
   12.1" DSTN color LCD
   4.3 GB hard drive
- · 24x CD-Rom · Modem









# It's horrible to be misunderstood.

To have a reputation for being something you are not. To be perceived as being expensive when you are actually quite reasonably priced. For the latest pricing information, visit www.buy.hp.com. Then feel free to say what you like about us.

Demand a better computer.

# ADOBE ILLUSTRATOR 9.0



# Illustrating in the Online World

SOME USERS BELIEVE ADOBE ILLUSTRATOR IS already the perfect illustration program, but Adobe Systems evidently saw some room for improvement. As a result, Illustrator 9.0 includes a number of useful, if not groundbreaking, enhancements that will benefit anyone who needs to rapidly develop and modify sophisticated graphics. More important, however, Adobe has also made some key additions to the pro-

gram design to address the special needs of Web-site development and developers.

Illustrator 9.0 includes a new Live Shapes tool that allows buttons and other Web-page elements to automatically adjust their size as you edit text within them. Adobe has also improved the program's integration with the company's other graphics programs. Imported Photoshop PSD files, for example, will now retain all their existing layers and transparency settings. Illustrator also provides a Pixel Preview mode,

which lets you see how your vector-design elements will appear after being converted to raster images in a Web-browser window without having to export the file first. Once your design is complete, Illustrator

can export files in GIF, JPEG, PNG, Flash (SWF), or the new Scalable Vector Graphics (SVG) format. In addition to providing all the Flash capabilities, SVG includes support for the Extensible Markup Language (XML) and Cascading Style Sheet open standards, while maintaining compatibility with other major Web technologies such as Java, HTML, and XHTML. The compact SVG files also load quickly, a big plus for Web developers.

Designers will also appreciate Illustrator's new ability to limit the application of trans-

> parency effects, transformations, filters, and other effects to a single layer or object. This greatly speeds development work, and it lets you continue to edit text and even run a spell-

check after you've applied effects. You can also soften and blend the edges of objects to make transitions smoother and preview the results in real time without first converting the image to a raster graphic.

Anyone who creates graphics will love Adobe's new and definitely improved Illustrator 9.0especially Web designers facing tight deadlines.

-John McCormick



# MICROSOFT STREETS & TRIPS 2001

# Never Ask for Directions Again



THE WORLD CAN BE A FRIGHTENING PLACE when you don't know where you're going, but Microsoft Streets & Trips 2001 can help. With its improved interface and added functionality, this latest

version of Microsoft Corp.'s street-mapping and trip-planning software will make sure you never get lost again.

Streets & Trips' impressive database includes more than 6.3 million miles of streets and highways and plenty of roadside attrac-

tions, including 409,000 restaurants, 68,000 hotels and motels, 41,000 gas stations, 1,200 rest areas, and 600,000 general points of interest. And for the first time ever, the program also includes information about Canada. You can even do a full install of the program to your hard drive-a convenience for those who hate swapping CD-ROMs-although its disk space requirements will jump to anywhere from 780MB to 835MB.



Moreover, Microsoft has reworked the interface to make the program remarkably easy to use. Hold down the IntelliMouse button to step through the various zoom settings, or smoothly pan across the map to your desired location. The overview window shows the surrounding area from a loftier perspective so you can get a sense of where you are. You can even save your maps as Web pages, complete with customized driving directions, pushpins, and pop-up balloons. The program also gives you five print options: map only, driving directions only, turn-by-turn map with driving directions, strip map with driving directions,

and highlighted places map. Streets & Trips 2001 even supports GPS receivers that work with NMEA 2.0 or later.

The package also includes Pocket Streets,

which lets you export and view your maps on a Windows CE or Pocket PC device. The maps look terrific if your palmtop supports color.

Overall, Microsoft Streets & Trips 2001 offers some notable improvements over earlier versions and is worth picking up, assuming you know the way to the store. -David English



Tight Integration with Photoshop; dynamic Web page elements; SVG support; ability to apply effects to single layers exports editable text in PSD format Steep learning curve

## PRODUCT:

COMPANY: Adobe Systems San Jose, CA; 800-685-3587

www.adobe.com REQUIRES: 64MB RAM: 105MB hard drive space, Adobe PostScript Level 2 or later (if using Adobe PostScript printers). Windows: Pentium-class processor; Windows 98, 2000, or NT 4.0. Macintosh, any PowerPC processor; Mac OS 8.5 or tales MFR. EST. PRICE: \$399 (\$149 for upgrade



For real-time pricing, go to priceit.zdnet.com and enter numb



RATED 1 TO 5 STARS Improved interface; includes compatible; can run entire program off hard drive

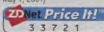
Landmarks lack descriptions and ratings

## PRODUCT:

Microsoft Streets & Trips 2001 COMPANY: Microsoft Corp. Redmond, WA; 888-218-5617

www.microsoft.com REQUIRES: 90MHz Pentiumclass processor: 20MB RAM (36MB for Windows NT); 150MB hard drive space; Windows 95, 98, 2000, or NT 4.0.

MFR. EST. PRICE: \$44.95 (before \$20 rebate, valid through May 1, 2001)



For real-time pricing, go to priceit adnot com and enter number.





# Its price doesn't affect its sense of self-worth.

hp brio business pc

Model PI564T; Intel® Celeron® processor 533 MHz / Intel BIO chipser / 64 MB SDRAM / 4.11 GB HD / 40x max CD-ROM / Integrated sound / 56 Kbps PCI modem / Windows® 98





# WEBBE 3.0

# Your New Web Buddy

\* \* (RATED 1 TO 5 STARS)

f getting the most out of the Internet means having the right tools to accomplish your goals, think of Webbe



3.0 as your new toolbox. Webbe lets you search the Web, check your e-mail, send instant messages, chat, and keep up with the latest headlines, all from the same convenient interface.

Webbe appears as a remote-controlstyle window on your desktop that can be collapsed at any time to save space. Using the interface, you can access any of your preferred Internet applications, such as your browser or e-mail program. You can search the Web directly from Webbe and access a large number of sites from its built-in bookmarks. One of Webbe's most useful features is its customizable news ticker, which draws headlines from many of the Web's most popu-

# SOFTWARE

lar news outlets, including CNET, Wired, and ZDNet (Computer Shopper's parent company). Just click on a headline, and the story will open in your Web browser.

You can also use Webbe to create a list of online buddies, like in America

> Online's Instant Messenger, and send them e-mail, files, and notes, as well as chat and Instant-message. Unfortunately, you'll need to fill out all of your buddies' information on your own, including his or her e-mail and IP addresses, without which you won't be able to send files or chat.

Webbe helps make your Internet experience easier and more enjoyable. And it's a free

download, so taking it for a spin is risk-free. -Richard Douek (Webbe; free; www.webbe.com)

#### IMAGE EXPERT 2000

# Tracking the Wild Image

\* \* \* (RATED 1 TO 5 STARS)

Thether you download images from the Web or use a camera or scanner to create your own, it's all too easy to fill up your hard drive with hundreds of difficult-to-find digital photographs. One of the best ways to get them under control is Sierra Imaging's

## FREEMEM PRO 4,3

# Rescuing Your RAM

\* \* (RATED | TO 5 STARS)

reeMem Pro 4.3 from 3B Software is a powerful utility that frees up RAM typically wasted by large applications, a function that Windows does not perform effectively on its own. Simply select a specific amount of RAM and click on the "allocate and free" icon. The amount of memory you select is then filled with dummy data, which is freed and returned to Windows at regular intervals, effectively increasing the speed and performance of your PC.

Although the program runs in the background, a small color-coded icon at the bottom of the screen indicates the amount of free RAM currently available, and tells

you if it's sufficient for smooth performance. FreeMem Pro can even perform an emergency free-up in low memory situations. Considering its low price and ease of use, FreeMem Pro 4.3 can be a worthy investment for most Windows users

-Avital Fryman (3B Software; \$19.95;

www.3bsoftware.com)

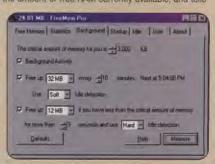


Image Expert 2000, which lets you organize, search, edit, and print photographs stored anywhere on your system.

Image Expert automatically catalogs the images in a directory the first time it displays them. This one-time procedure can take a fair amount of time, but once a directory is cataloged, the program quickly displays thumbnails of each image and lets you search the database in a variety of ways. Each picture can be assigned a one-line title, a lengthy text description, and any number of keywords, all of which can be included in the search criteria. The program also automatically creates system-level search attributes such as image resolution, creation date, storage format, and file size. Other features include a modest imageediting toolkit, an auto-stitching function, slide-show capabilities, sound annotation, and a nifty Web-page creation tool that automatically generates hyperlinked thumbnails of every image in a catalog.

During our hands-on testing, every feature other than the initial cataloging was lightning-fast, even on an old 90MHz Pentium system. The program also is quite easy to use overall, although we did have to go to the manual to figure out a few of its more esoteric functions.

Unlike all-in-one image-management applications, Image Expert 2000 performs only one task, but it performs that task extremely well. If you need a way to easily organize large numbers of stored images, it's hard to beat.

-Don Labriola (Sierra Imaging; \$69.95; www.

sierraimaging.com)



# COMPLETE LANDDESIGNER 6.0 3D DESIGN COLLECTION

# Great Garden Variety

rofessional landscapers and weekend tillers alike will find plenty to glean from SierraHome's Complete LandDesigner

6.0 3D Design Collection. This comprehensive gardening package is packed with a huge selection of reference materials, planning and budgeting tools, online purchasing capabilities, and even program.

Complete LandDesigner's core module is the easy-to-use LandDesigner 3D virtual-reality and walk through 3D models of gardens filled with more than 6,000 types of shrubs, trees,

annuals, perennials, and yard structures. The program's Photo Garden Designer module even lets you landscape an actual photograph of your home, while the 3D Deck construction program automatically designs and generates plans and part lists for a

variety of single-level and multilevel decks. Complete LandDesigner also includes an

electronic version of Ortho's popular Home Gardener's Problem. dening problems. Rounding out the package are the profusely illus-

> trated Garden Encyclopedia database, the modest Personal Garden Planner calendar program, and the beautifully illustrated Step-by-Step Low-Maintenance Gardens paperback published by Better Homes & Gardens. SierraHome also throws in a terrific 175-page manual and a 90-day money-back guarantee,

Despite its huge feature set, intuitive. Its improved interface, video lutorials, and abundant wizards make it much friendlier than earlier versions. Our only complaint was the

occasionally jerky animation on our 450MHz Pentium II system.

Complete LandDesigner is all you could ask for in a landscaping program. We give it two green thumbs up. -D.L. (SierraHome; \$69.95; www.sierra.com)





# Its loyalty can be easily bought.

hp netserver lc 2000 workgroup server

Model D9162A; Intel® Pentium® III processor 733 MHz / 128 MB memory (upgradeable to 4 GB) #256 KB on die cache /6 PCI I/O slots / Dual Ultro 2 SCSI controller / 10/100TX NIC / Standard ECC memory /3 Integrated 9.1 GB drives





# I-DRIVE



# A Space of Your Own on the Wel

F YOU'RE LOOKING FOR A WAY TO EXTEND YOUR hard drive into cyberspace, take a look at i-drive. This free service lets you store up to 50MB worth of files onlineeverything from text documents to digital photo albums-in a safe and secure environment.

Setting up an i-drive account is simple. After registering your name, e-mail address, and user information at the company's Web site, you download and install Filo, a small software program that lets you transfer files from your hard drive to your designated i-drive. Each i-drive can be classified as either public or private, which enables you to grant or deny file access to visitors (friends, relatives, business associates, and so on). A Dropbox lets those

same visitors add files to your account, after which an e-mail informs you of the addition. When you visit a site, right-click on any Web page, and Filo will clip the contents of that page to your i-drive. The service saves the actual

HTML code and image files, so you can view the full page even after the URL is no longer available, a particularly handy way to save online shopping receipts.

You can also synchronize online file updates to your hard drive using i-drive's Scheduler module. Simply set the time you want Scheduler to run, assign a central folder, and the software will automatically transfer files from your hard drive to your i-drive. You can also bypass the upload process altogether by taking advantage of i-drive's Sideload application. On sites that support Sideload, including Scour and ZDNet (Computer Shopper's parent company), clicking a file's Sideload icon will automatically transfer it to your i-drive. Because the transfer takes place

between servers, you can continue surfing the Web and retrieve the file from your i-drive later. What's more, any file or content you transfer from another Web site does not count toward your total

i-drive memory allocation.

The only flaw we could find with i-drive is that the file-transfer process doesn't tell you how much information remains to be transferred, or how long it will take. (This, of course, depends largely on your Internet connection.) Nevertheless, with its easy-to-use interface and relatively quick upload/download speeds, plus the fact that it doesn't cost a dime, we've come to view i-drive as something of a Net-cessity. -Avital Fryman

f-drive.com					_	-		20000000	I telladrood I be
da.			1008	RAGE					
He halls	xniz's storage (tursps discluts - 2								
Over Voor	Sing ( thi								
B'attect	MINIS		ma.billic	TOTAL ST	2000	- 2	nd,	Beint	.00=0
2 mm ca.	XX/see						Ethepsignal		
100	- 0	Esta			111		[Retarne]	Sharing	
American Street Street	Г	Chine.			- 5	m'z	Fallier Bills		
ar setter	-	Marx			21	100		No. 25 inc.	2505 Bir32:25 P
	- 0	lame.	Col of Burchers		- VIII	ish.	Comments to		2000 000 000 000
	-	Mrs. beni	WHEN ASSESSED AND	L	21	bfx		7	
	- 12	DAS.D	throne pale has		20	200			
	DUDAN		institute \$	Destinal 1	Arm. I	_		leads .	Telrui.

# YODLEE E-PERSONALIZATION PLATFORM

# A Powerful Personal Portal

FIT'S GETTING DIFFICULT TO KEEP TRACK OF YOUR various Internet accounts, head over to Yodlee.com and check out the Yodlee e-Personalization Platform. This wellorganized, user-friendly personal portal is available free of charge and lets you organize your bank accounts, e-mail, stock portfolios, online purchases, travel arrangements, and news headlines on one convenient Web page.

Creating a My Yodlee page is easy. After filling in your registration

info, click on the Add a Site button and select the categories to which you want to add a link. Once you've selected the companies with which you have accounts, simply enter your usernames and passwords for each, and you're done.

Yodlee currently supports more than 1,200 sites and organizes them into channels, such as Finance, Communication, and News and Information. To link your stock portfolio to

Take Control of Year Life O POOLEE OLE OPTIONS PROFILE View By Category View By Instit MANN My Yodlee Sites My Yodlee Amazen.com account Ches Setaraction HEX.COM 2000 Years: The Millennium Concert Morningster Fund Selector the Esgina Bull Pertfolia AOL NetHall tew York Times Date Sandar Subject Region Bull Mail

Yodlee, for example, click on Investments and select Charles Schwab, ETrade, or whichever broker you use. Yodlee will then download your personal account information, store it on a secure server, and display it on your My Yodlee page.

You don't even need to be on your PC to use Yodlee. You can sync your accounts to a Palm handheld, Pocket PC, or Web phone using the Yodlee2Go software. In addition, Yodlee2Go's convenient one-touch dialing feature lets you use a Web phone to perform tasks such as changing your flight schedule or selling stock-all without dialing the full number.

At present, Yodlee automatically refreshes most information only once a day. But the company plans to add automatic refreshing on login by the end of the year. Also, while Yodlee can log in to 95 percent

of the sites it supports, it cannot do so with some secure banking and brokerage sites due to these companies' security restrictions.

Yodlee has a few limitations, but it's still a great tool for simplifying your Web browsing and helping you manage your banking and shopping accounts.

-Brian T. Horowitz



\*\*\*

RATED 1 TO 5 STARS Free: provides 50MB of

sites; eliminates need for bulky

e-mail file attachments Macintosh version una use Scheduler; no transfer-Macintosh version unable to

progress information

SERVICE: I-drive

San Francisco, CA

415-356-2280

idrive.com PRICE: Free

COMPANY: i-drive.com

ZDNet Price It!"

33726

For real-time pricing, go to priceit zanet.com and enter number.

online storage; unlimited transfer of files from other Web

Free service; easy to use; compatible with PDAs and Web-enabled cell phones Infrequent automatic. refreshing; can't automati-

cally log in to some secure sites

SERVICE: Yodes e-Personalization Platform COMPANY: Yodiee.com Redwood Shores, CA 877-296-3533

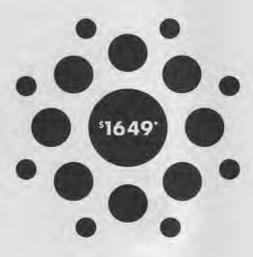
yodles.com REQUIRES: Netscade 4.08 or Microsoft Internet Explorer 4.01 Service Pack 2 or later (cookies and JavaScript must be enabled). Windows 95, 98, or NT 4.0. For rodiee2Go: Palm handheld,

Pocket PC, or Web-enabled phone PRICE: Free



For real-time pricing, go to priceit.zdnet.com and enter number.





# Costs a pittance of what it's worth.

hp amnibook key notebook

Medel † 2052VVT. Mobile Intel<sup>®</sup> Celeron<sup>®</sup> processor 500 MHz / 64 MB SDRAM / 5.0 GB removable enhanced-IDE HD / 12.1° FFT display / 24× max CD-ROM / 56 Kbps modem / U-lon battery / Windows<sup>®</sup> 98





# THIEF II: THE METAL AGE The Days of Iron and Steal

\* \* \* (RATED 1 TO 5 STARS)

ne of the standout games of 1998, Thief: The Dark Project. livened up the action/adventure category with an original concept, an open-ended level design, and first-rate sound.



Although it was eclipsed by the heavily hyped and arguably inferior Half-Life, Thief-and its antihero, Garrett-provided many fans with an intense and fresh gaming experience.

In Thief II, the concept and gameplay remain largely unchanged, but the setting has evolved to the dawn of the Industrial Age, where technology and magic coexist. The most-criticized aspects of Thief-its drab graphics and quirky controls-have been noticeably upgraded. Garrett's new tools are useful and well-balanced, as well.

But it's the mission design that catapults Thief II beyond its predecessor and the competition. The emphasis now GAMES

lies entirely on stealth rather than on the original's mix of sneaking and slaying (primarily in its unpopular missions involving hordes of undead). The sheer scope of the brilliantly designed maps is amazing, and the improved control set makes them a pleasure to explore.

The game's new enemies are

equally compelling; one rare creature is even more terrifying than Thief's feared Haunts. And Thief II's 3D soundtrack is just as good, if not better, than the original's, with Increased banter between characters and muttered comments following a peculiar visual or sound cue. The only area of the

game that leaves room for improvement is its artificial intelligence, which is a bit inconsistent at times. Still, this is a minor complaint. Thief II is a most masterful -Oliver Zeller (Looking Glass Studios/Eidos; \$39.99;

www.lglass.com)

#### LAST CALL

# Face Down At the Bar

(RATED 1 TO 5 STARS)

he concept of a bartending simulation may seem novel at first, but spend some time playing Simon &

# STAR TREK: ARMADA

# Fun in the Final Frontier

\* \* \* (RATED 1 TO 5 STARS)

www. Star Trek games have been worth the CDs they were pressed on, but Activision's Star Trek: Armada is a welcome exception. This real-time strategy outing is reminiscent of space classics like StarCraft, but with much liveller graphics and the intriguing world of Star Trek at its core.

The game is divided into four interconnected campaigns, giving you the chance to

play as the Federation, Klingons, Romulans, or Borg. The missions, about 15 in all. are woven together with cinematic scenes featuring the voices of Patrick Stewart, Michael Dorn, Denise Crosby. and J.G. Hertzler. Their familiar characters flesh out Armada's fun, engaging plot.

While Armada plays like most other real-time strategy games (build a base, gather



Once you've completed the missions, you can engage in multiplayer-style skirmishes against the computer or tackle other human opponents. Armada supports LAN and Internet play, though a patch is necessary if you want to use IPX connections.

Despite a few bugs, some of which the aforementioned patch fixes, Armada is a gem. Finally, Trek fans have a game that's worth some bars of gold-pressed latinum. (Activision: \$49.95; www.activision.com)

-Rick Broids

Schuster Interactive's Last Call, and you'll be longing to see the return of Prohibition.

#### NEED FOR SPEED: PORSCHE UNLEASHED

# aps of Luxury

IRATED 1 TO 5 STARS)



It's been less than a year since Electronic Arts released Need for Speed: High Stakes, but don't accuse the developer of gratuitously milking the franchise. Porsche

Unleashed is not only the best Need for Speed entry yet, it's one of the best racing games ever.

You don't have to be a Porsche fan to enjoy Porsche Unleashed, but it helps. The game features 50 years of the German classic, putting you behind the wheel of everything from the 356 Roadster to the GT1 racer, with Carreras, Boxsters,



911s, and Spyders in between. True aficionados will want to check out the fascinating historical videos, stills, and stats.

In addition to the familiar knockout and quick race, Porsche Unleashed offers two engaging new modes. In Factory Driver, you test-drive different Porsches while attempting to complete mission-like goals. And Evolution is a career mode in which you buy, sell, and race various models, progressing from the classic to the modern era.

Porsche Unleashed stands out not just for the dramatically different look, sound, and feel of each hot rod, but for the incomparable beauty of its nine open-road and five

> closed-circuit tracks. Frame rates were stellar on our 450MHz Pentium II system equipped with an nVidia TNT-based graphics card, even with all the effects turned on.

As with previous Need for Speed titles, you can download additional cars from Electronic Arts' Web site. At press time, an online racing service was in beta-testing (a smart move, because the only thing that could possibly make this game better is human competition). For Porsche fans and race lovers alike, Porsche Unleashed takes the lead. -R.B.

(Electronic Arts; \$39.95; www.needforspeed.com)

The premise, quite simply, is to move on to the next shift by earning a set amount in tips before the clock runs out. A few minutes listening to the repetitious banter of your clichéd customers (which include a garrulous hedgehog!), however, and you'd rather squirt them with the soda gun than serve them. Other problems include some horribly recorded sound files, a drink recipe book that can't be resized, and the worst jukebox this side of Hades.

The game's only redeeming feature-and this is a stretch-is that the recipe book tells you how to make about 100 authentic drinks. Then again, save yourself \$10, and pick up the Mr. Boston guide at Amazon.com. How's that for a tip? -A. Paul Healy (Simon & Schuster Interactive: \$19.95; www.simonsays.com/interactive)

29686
33707
33708
33704

priceit.zdnet.com and enter number.





# Power without the influence of big money.

hp kayak pc workstation XM600 MT

Wodel P1651T. Intel® Pentium® III processor 800EB MHz / 128 MB RDRAM / 9.1 GB SCSI HD / Matrox® G400 dual head / 48x max CDROM / HP 10/100 PCI LAN card / 3.5° flappy drive / Windows® 2000





# mcglen.com The unline merketplace for computing products.



> \$199.95(04)1500)

At McGlen.Com, our specialized processor and proprietary memory module search engine will guide you to the correct product you need at the most affordable price. Please check back for our daily updated CPU and memory pricing.

> \$55.95 AMD K6-2 500Mhz 30	Now! (AK62500)
------------------------------	----------------

> \$104.95 Intel	Caleron EO	Miles DDGA	(CONTRACTORON)
> \$104.33 linter	CERTON SUL	minz Prija.	(CPIISOUCPPGA)

- > \$199.99 Intel Pentium III 500Mhz
- > \$52.95 Intel Pentium 233 Mhz MMX (CP233MMX)
- > \$201.95 Athlon K7 700Mhz 3DNow! (AK7700)
- > \$102.95 128MB PC100 16X64-100 (SP128PC1664)
- > \$219.95 256MB PC133 32X64-133 (SP266PC1333264)
- > \$107.95128MB PC133 16X64-133 (SP128PC1331664)
- > \$52.95 64MB PC100 8X64-100 (SP64PC864)
- > \$55.95 64MB ED016X32-60ns 4K Refresh Simm (SPE163280)

McGlen.Com offers the full line of 3Com networking products to provide small businesses with the power to share information, access the internet, and connect to remote locations.



You can find the full line of ABIT's top of the line motherboards with SoftMenu® technology or ASUS's latest support in AMD @ AthlonTM 550MHz ~ 1GHz (K7) processors with its one of the kind chipset to incorporate 1.5 GB PC133/PC100/VCM133 SDRAM capability...

> \$115.95

> \$129.95

> \$124.95

> \$292.95

> \$164.95 ASUS KTV

Asus P3V4X

Asus CUBX

Asus P3BF

ABIT's KA7 offers the consumers 4 DIMM, 6 Data Buffer. 6 PCT Slot and SoftMenu\* III Technology and the new 200MHZ PSB technology in it's new premier motherboard, ABIT has answered with the KA7-100. It is everything the KA7 is with the added feature of LIDMA 100 support.

> \$139.95 9016722 Office Connect 8port 10087 Hub

>	\$146.95	ABIT	KA7	(HDAIIIFKA7)
>	\$93.95	ABIT	VT6X4	(HDABITVTE)
>	\$131.95	ABIT	BPG	(HDABITBP6)
>	\$170.95	ABIT	KA7-100	(HIMBIRAT-100)
	274 OF			NAME OF TAXABLE PARTY.



This mainboard features support for UDMA/66 data transfer, AGP 4X, AMR Slot, and JumperFree TM Mode via BIOS setup. The additional upgrades provided included USB ports, PC Health Monitoring and AC '97 Audio to provide users with the maximum efficiency and performance.

Asus V6800 Deluxe 32MB Graphics Card (HDASUSV6800D32)

(HDASUSKIV)

(HDASUSP3V4X)

(HDASUSCUBX)

(HDASUSP38F)

#### Motorola Generic 56K V.90 PCI Modem

> \$14.95 (HDMOTOPOSHIC

This retailed tuned makes combined words and more with full-duples. commattile. At only \$14.06 surfing online at V.90 is only a mouse click away



# Gigabyte GA-822 NVIDIA TNT 2 32MB 2x/4x AGP Video Card



d now has the republicy to supp ULIMnz SDRAM memory, PSB, and the larest FC-PGA 0.18 micro Pentium III processor from Intel (Coppermine) These features make this motherboard

ready to reach the speed that you had never experienced before

- Sigabyte GA/ GF2550 WID/A G-force 256: 32MB 256-bit VGA Card
- > \$117.95 (IDGA71XE) Gigabyle GA-71XE Motherboard
- > \$139.95 (HDBA68XE) Bigatyre BA 68XD Motherboard > \$78.95 (HDBA68XEP) Gigabyte GA-6VX() Motherboard
- > \$94.95 (HDEANVX7-4K) Bigabyti BARVX7-4X Motherboun



# Organize in Style \$409,95 (HD)CPAUMVX)

3 Com's Palm Vv. is the ultimate inganizer for style ous power users. With how times the memory of it's mederasion the Palm Vx is more powerful than ever

# Build Them Better with In-Win

> \$262.95



complination of CD-RW and DVD in one. 4X renoval, 4X re-write, 4X DVD reso, and

# 5500 235W Mid ATX Tower

> 541.95 | HOMESON

In Win \$500 pase is hout with XKS 1/4 and 2/2 1/2 for faster manufacturing and service, a detachable HBD drive cage for better installation and service, folded cage with buishalp edges and debris for rafe installation, and side panel covers

> \$43.95 AS00 235W Mid ATX Triver

> \$73.95 Q500 300W Full ATX Tower > \$61,95

A500 300W Mid ATX Tower > 563,95

A500 300W Mig ATX Tower > \$192.95 (HB/WD2008) 02000 300W Regundant Full

Server Tower



Contact Informations:

Toll Free (800) 899-8849 Customer Support (949) 851-8078 Fax (949) 851-0251

# features

# WISE

Five Fast, Affordable Systems for the Back-to-School Set

# **MOVIE MAKERS**



Be your own
Spielberg with
One of these
Mini DV
Camcorders

# PLUS)

- Putting Job Sites to Work for You
- Rent, Don't Buy, Your Next App
- Great Gigs! How Big a Hard Drive Do You Need?





(Computer Shopper, Best Buy Award, June 2000)

"An impressive blend of power, features...makes this [Enthusiast] system an attractive choice?"

(PC World, April 2000) PC WORLD



It's No Wonder CyberMax Customers Buy from Us Again.



Outfit your office with CyberMax Business PCs and we guarantee you'll buy again too. For power and basic business users alike, we've got the systems to suit. Designed specifically to help you successfully accomplish your goals, they're equipped with features your office won't want to do without-like Windows® 2000 Professional. The industry's best small business operating system is more powerful, easier to use, more reliable, and designed to prevent system downtime. As a result, you'll work faster and more efficiently. After all, the more you can get done in less time, the more free time you'll enjoy. And that's something we can all use more of. For reliability that'll keep you coming back, CyberMax Business PCs are an ideal choice.



Business PCs—uncompromised reliability

# **R**usiness ValueMax C-600

- Intel Celeron Processor 600MHz
- ♦ 64MB SDRAM
- ◆ 15GB Ultra ATA-66 Hard Drive
- Intel 2D/3D Graphics Controller
- 15" Digital Monitor
- 48x Max Variable Speed CD-ROM
- ◆ 3D Wavetable Sound
- ♦10/100 PCI Ethernet Adapter
- Amplified Speakers
- Microsoft' Windows' 2000 Professional
- ♦ Corel WordPerfect Office 2000 Std.
- 1 Year Limited Warranty
- Add 64MB SDRAM for \$99
- Upgrade to 3 Year Limited Warranty & 1 Year Limited On-Site, Call for pricing.

Order #C806

# **B**usiness ValueMax K7-700

- ◆ The 700MHz AMD Athlon™ w/enhanced 3DNow!™ Technology
- 64 MB SDRAM
- ♦ 20GB Ultra ATA-66 Hard Drive
- ◆ nVIDIA™ TNT2 Vanta 16MB AGP Graphics Accelerator
- 17" High-Resolution Digital Monitor
- 48x Max Variable Speed CD-ROM
- Sound Blaster Audio PCI 128 Sound
- ◆ 10/100 PCI Ethernet Adapter
- Amplified Speakers
- Microsoft' Windows' 2000 Professional
- ♦ Corel WordPerfect Office 2000 Std.
- 1 Year Limited Warranty
- Upgrade to 3 Year Limited Warranty & 1 Year Limited On-Site. Call for pricing.

Business Lease 540/mo. Order #C807

# **B**usiness Enthusiast K7-800

- ♦ The 800MHz AMD Athlon™ w/enhanced 3DNow!™ Technology
- 128MB SDRAM
- 20GB Ultra ATA-66 Hard Drive
- ◆ nVIDIA™ TNT2 Vanta 16MB AGP **Graphics Accelerator**
- 17" High-Resolution Digital Monitor
- 48x Max Variable Speed CD-ROM
- ♦ Sound Blaster Audio PCI 128 Sound
- ♦ 10/100 PCI Ethernet Adapter
- Amplified Speakers
- Microsoft' Windows' 2000 Professional
- ♦ Microsoft Office 2000 SBE
- 1 Year Limited Warranty
- Upgrade to 3 Year Limited Warranty & 1 Year Limited On-Site. Call for pricing.

**Business Lease** 51/ma. Order #C808

# Rusiness Enthusiast P3-850

- Intel Pentium' III 850MHz Processor w/100MHz Front Side Bus
- 128MB SDRAM
- **♦ 30GB Ultra ATA-66 Hard Drive**
- ◆ nVIDIA™ TNT2 32MB AGP Graphics Accelerator w/ TV-Out
- 17" High-Resolution Digital Monitor
- 48x Max Variable Speed CD-ROM
- Sound Blaster Audio PCI 128 Sound
- Internal Zip Drive
- 10/100 PCI Ethernet Adapter
- Amplified Speakers
- Microsoft' Windows' 2000 Professional
- ◆ Microsoft Office 2000 SBE
- 1 Year Limited Warranty
- Upgrade to 3 Year Limited Warranty & 1 Year Limited On-Site, Call for pricing.

**Business Lease** 65/mo. Order #C809

# Recommended Specials

- Add 56K Fax/Modem
- Add 250MB Internal Zip Drive for \$149
- Add Internal Zip Drive Upgrade to MS Office 2000 SBE for \$129



#### Standard on the Business Series:

- ◆ 104-Keyable Keyboard ◆ ATX Tower Case.
- ♦ 1,44MB 3.5" FDD ♦ 2 USB Ports
- ♦ Microsoft IntelliMouse
- ♦ 30 Day Conditional Money Back Guarantee
- ♦ Toll-free Technical Support
- Quick Setup Guide

for \$79

#### Microsoft Office 2000 SBE:

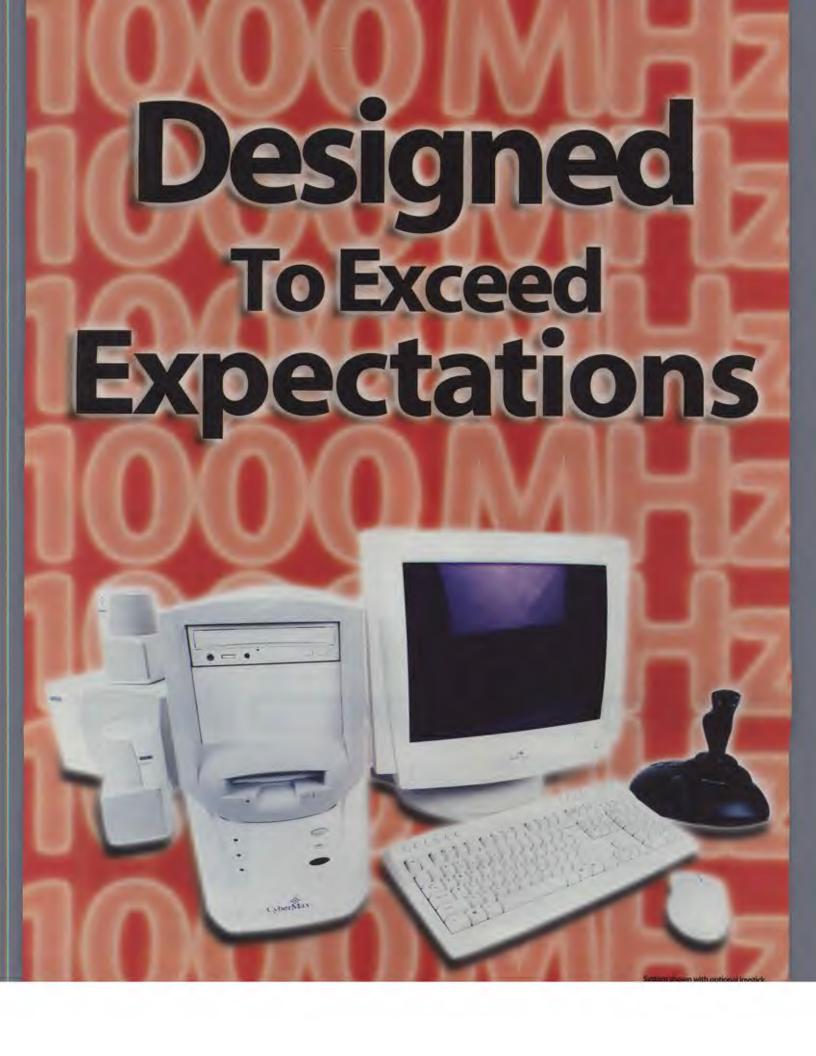
- ♦ Word ♦ Excel
- ◆ Publisher ◆ Outlook
- ◆ Direct Mail Manager Small Business Financial Manager
- · Business Planner
- ♦ Small Business Customer Manager



cybermaxpc.com/success

1-888-396-852

Visit us @ www.cybermaxpc.com and subscribe to MaxWire for the latest updates in pricing and exclusive offers.



Fully-loaded with only the most exceptional components for hyper-pumped sights, sounds, and overall performance, CyberMax Enthusiast PCs give you everything you need to cruise the Internet, email, play games, listen to music, and more. Features like the AMD 1GHz (that's right, 1000MHz) Athlon processor will truly shock you. Not to mention DVD, the fastest modems, huge hard drives and enough RAM to blow you away every time you power up. Get a CyberMax Enthusiast PC and we guarantee, like other CyberMax customers, you'll keep coming back for more.



Enthusiast PCs—serious speed and performance

# Enthusiast 1

- ♦ The 750MHz AMD Athlon™ w/enhanced 3DNow!™ Technology
- 128MB SDRAM
- ♦ 15GB Ultra ATA-66 HDD (7200RPM) ♠ nVIDIA™ RIVA TNT2 32MB AGP
- Graphics Accelerator w/TV Out
- 17" High-Resolution Digital Monitor
- 12x Max Variable Speed DVD-ROM
- V.90 Standard 56K Fax/Modem
- ◆ Sound Blaster Livel Value Digital PCI Audio Altec Lansing ACS33 Powercube
- USB Video Conferencing Camera
- ♦ Microsoft' Windows' 98 2<sup>rd</sup> Edition ♦ Corel WordPerfect Office 2000 Standard & Max's Enthusiast Pack
- 1 Year Limited Warranty

Speakers w/ Subwoofer

 Upgrade to 3 Year Limited Warranty & 1 Year Limited On-Site. Call for pricing.

51/mo. Order #C801

# Enthusiast 2

- ♦ The 850MHz AMD Athlon™ w/ enhanced 3DNow!™ Technology **128MB SDRAM**
- 20GB Ultra ATA-66 HDD (7200RPM)
- ◆ nVIDIA™ GeForce 256 32MB Graphics Accelerator w/TV Out
- 17" High-Resolution Digital Monitor
- 12x Max Variable Speed DVD-ROM
- V.90 Standard 56K Fax/Modem
- ◆ Sound Blaster Live! Value Digital PCI Audio
- Altec Lansing ACS33 Powercube Speakers w/ Subwoofer
- USB Video Conferencing Camera
- Microsoft' Windows' 98 2" Edition
- Corel WordPerfect Office 2000 Standard & Max's Enthusiast Pack
- 1 Year Limited Warranty
- Upgrade to 3 Year Limited Warranty & 1 Year Limited On-Site. Call for pricing.

58/mo.

# Enthusiast 3

- ♦ The 900MHz AMD Athlon™ w/ performance enhancing cache **4 128MB SDRAM**
- ◆ 30GB Ultra ATA-66 HDD (7200RPM)
- ◆ nVIDIA™ GeForce 256 32MB Graphics Accelerator W/TV Out
- 19" High-Resolution Digital Monitor
- CD-ReWritable Drive
- V.90 Standard 56K Fax/Modem
- ♦ Sound Blaster Live! Value Digital PCI Audio
- ♦ Cambridge SoundWorks FPS2000 **Digital Speakers**
- USB Video Conferencing Camera
- ♦ Microsoft' Windows' 98 2<sup>rd</sup> Edition
- Corel WordPerfect Office 2000 Standard & Max's Enthusiast Pack
- 1 Year Limited Warranty
- Upgrade to 3 Year Limited Warranty & 1 Year Limited On-Site. Call for pricing.
- Add DVD-ROM Drive for \$99

- ♦ The 1GHz AMD Athlon™ w/ performance enhancing cache
- 128MB SDRAM
- ◆ 40GB Ultra ATA-66 HDD (7200RPM)
- ♦ nVIDIA™ GeForce 256 32MB Graphics Accelerator w/TV Out
- ♦ 19"High-Resolution Digital Monitor
- DVD-ROM/CD-Rewritable Drive
- V.90 Standard 56K Fax/Modem
- ◆ Sound Blaster Live! Value Digital PCI Audio
- ◆ Cambridge SoundWorks FPS2000 4-Channel Digital Speakers
- USB Video Conferencing Camera
- ♠ Microsoft' Windows' 98 2<sup>rd</sup> Edition
- Corel WordPerfect Office 2000 Standard & Max's Enthusiast Pack
- 1 Year Limited Warranty
- Upgrade to 3 Year Limited Warranty & 1 Year Limited On-Site. Call for pricing.

# Recommended Specials

- CyberMax Gaming Bundle
- Add 250MB Internal Zip Drive for \$149
- for \$79 (Three titles and joystick)

  Add Lexmark Z11 Color Printer for \$79 (after rebate)
- Upgrade to MS Office 2000 SBE for \$129

Standard on the Enthusiast Series: 

Internet Programmable Keylogard 

ATX Tower Case 

1.44MB 3.5° FDD 

2.05B Ports 

Microsoft IntelliMouse 

30 Day Conditional Money Back Guarantee 

Toll-free Technical Support ◆ Ouick Setup Golde

Max's Enthusiast Pack: 

Email VoiceLink (pre-loaded) 

Tracker Pro 1.2 (pre-loaded) 

CyberSnoop 3.0 

Special Edition (pre-loaded) 

WebFerret (pre-loaded) 

Audible Manager 2.0 (pre-loaded) 

Masterscook

Corel WordPerfect Office 2000 Standard: 

WurdPerfect 9 

Quattro' Pro 9 

Corel "Presentations" 9 

Corel CENTRAL 9 

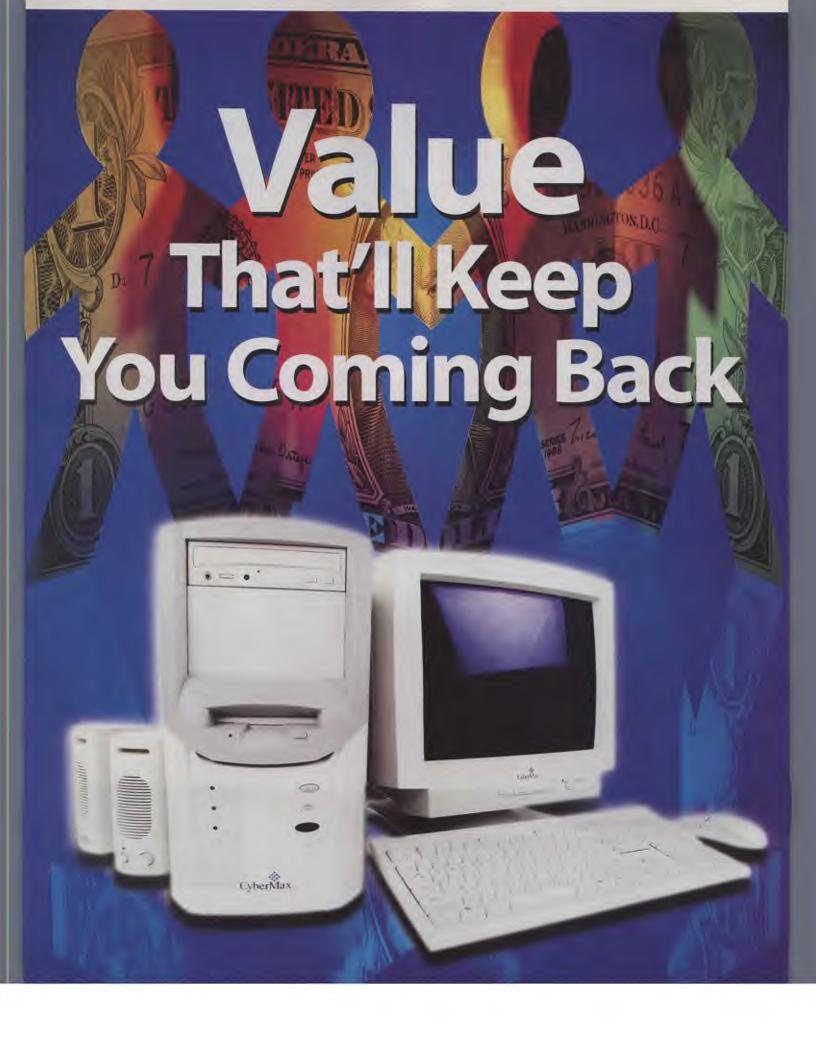
Trelfix' 2 

Microsoft Visual Basic' for Applications



cybermaxpc.com/speed 1-888-396-85

Visit us @ www.cybermaxpc.com and subscribe to MaxWire for the latest updates in pricing and exclusive offers.



Smart shoppers want the most for their money. That's why we design our ValueMax PCs especially for the technically savvy, yet practical, consumer who refuses to compromise on quality and reliability. Sounds like you, right? Well, listen up—for a whole lot less than you'd ever expect, you can get one of these great PCs with everything you need to email, access the Internet, run all types of productivity and multimedia applications, play games, and much more. So whether a ValueMax is your first PC, your second, your third, or so on, you'll understand why CyberMax customers are customers for life.



# ValueMax 1

- ◆ AMD-K6'-2/500MHz Processor
  w/ 3DNow!™ Technology
- **♦ 64MB SDRAM**
- ◆15GB Ultra ATA-66 Hard Drive
- **♦ 3D Video Graphics Controller**
- \* 15" Digital Monitor
- \* 48x Max Variable Speed CD-ROM
- **3D Wavetable Sound**
- V.90 Standard 56K Fax/ Modem
- Amplified Speakers
- ◆ Microsoft' Windows' 98 2<sup>nd</sup> Edition
- Corel WordPerfect Office 2000
   Std. & Max's Productivity Pack
- \* 1 Year Limited Warranty
- Upgrade to 3 Year Limited Warranty & 1 Year Limited On-Site. Call for pricing.

Order #C810

# ValueMax 2

- AMD-K6'-2/550MHz Processor
   w/ 3DNow!™ Technology
- **♦ 64MB SDRAM**
- ◆ 15GB Ultra ATA Hard Drive
- **♦ 3D Video Graphics Controller**
- ♦ 17" High-Resolution Digital Monitor
- 48x Max Variable Speed CD-ROM
- **♦ 3D Wavetable Sound**
- ♦ V.90 Standard 56K Fax/ Modem
- Amplified Speakers
- ♦ Microsoft' Windows' 98 2<sup>rd</sup> Edition
- Corel WordPerfect Office 2000 Std.
   Max's Productivity Pack
- 1 Year Limited Warranty
- Upgrade to 3 Year Limited Warranty
   8 1 Year Limited On-Site. Call for pricing.

Order #CS11 \$879

# ValueMax 3

- Intel Celeron Processor 600MHz
- **♦ 128MB SDRAM**
- \* 20GB Ultra ATA Hard Drive
- ♦ Intel 2D/3D Graphics Controller
- ♦ 17" High-Resolution Digital Monitor
- ♦ 48x Max Variable Speed CD-ROM
- V.90 Standard 56K Fax/ Modem
- **♦ 3D Wavetable Sound**
- Amplified Speakers
- ◆ Microsoft Windows 98 2<sup>nd</sup> Edition
- Corel WordPerfect Office 2000 Std.
   Max's Productivity Pack
- 1 Year Limited Warranty
- Upgrade to 3 Year Limited Warranty
   8 1 Year Limited On-Site. Call for pricing.

\$999 prider NC812

# **Recommended Specials**

- Add Canon BJC 2100 Color Printer for \$49 (after rebate).
- Add Lexmark Z11 Colot Printer for \$49 (after rebate).
- Upgrade to DVD for \$50.
- Add Internal Zip Drive for \$79.
- Add 48-bit USB Color Scanner for \$79.
- Upgrade to MS Office 2000 SBE for \$129.
- Add AGFA CL18 Digital Camera
- ♦ Add CD-ReWritable Drive for \$199.
- Add Canon C560 Fax/Copy/Scan /Printer for \$299.

Standard on the ValueMax Series: 
\$\times ATX Tower Case \$1,44MB 3.5" FDD \$2 USB Ports \$Internet Programable Keyboard \$Microsoft PS/2 Mouse. \$30 Day Conditional Money Back Guarantee \$Toll-free Technical Support \$Quick Setup Guide

Max's Productivity Pack ♦ Email VoiceLink (pre-loaded) ♦ Tracker Pro 1.2 (pre-loaded) ♦ CyberSnoop 3.0 Special Edition (pre-loaded) ♦ WebFerret (pre-loaded) ♦ Audible Manager 2.0(pre-loaded) ♦ Mastercook Deluxe 4 • Startishere

Corel WordPerfect Office 2000 Standard: 

WordPerfect 9 

Quattro Pro 9 

Corel Presuntations 9 

Corel CENTRAL 9 

Trellix 2 

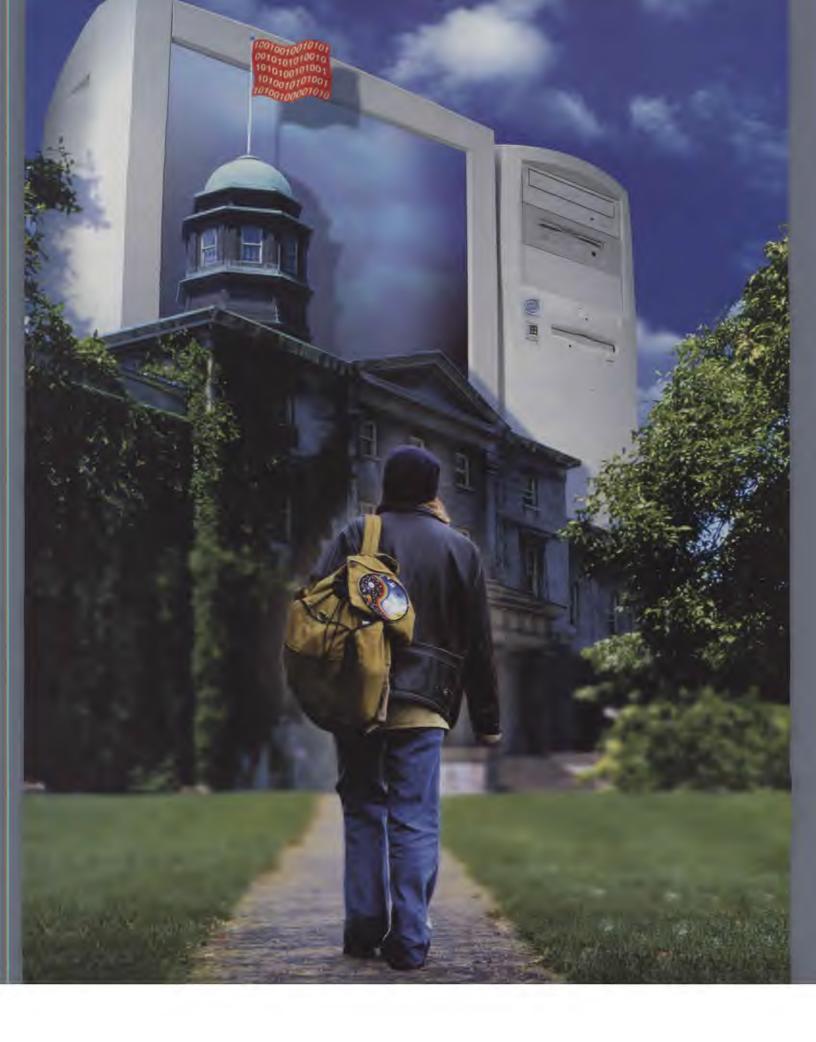
Microsoft Visual Basic for Applications

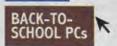


Cyberikas Computer Inc.® One Mountain Blvd, Suite 201 Wieren NJ 07059 is 10, 770-1108 Fax 800-509-7576 in Canada, did 800-095-9991 Buyer's rights in their entirety are contained in CyberMax's Limited Wierandy, a free copy of which may be obtained by writing CyberMax at CyberMax Computer, Inc. One Mountain Blvd, Suite 201 Wierzen, NJ 07059 or calling 800-519-9635. Piece and product descriptions are updated to retraction with order. All people hall including monitors are covered under the retractioners viscancy or CyberMax. Some CyberMax products are custom engineered to CyberMax specifications which may vary from the retail except of the software and the rate of the computer of the software and the rate of the computer of the software and the rate of the conjunction of intermed brights into included with any conditional meney tack guisantee, dripping charges are not retundable Products may differ from image shown. All brands and product may are produced by the computer of the

cybermaxpc.com/value 1-888-396-8529

it us @ www.cybermaxpc.com and subscribe to MaxWire for the latest updates in pricing and exclusive offers.





# Big PC On Campus

BY RICK BROIDA

omputers are nearly as ubiquitous as stereo systems in college dorms these days. While easy access to a PC doesn't guarantee better grades, there's no denying the advantages that a fast CPU, speedy Web access, a spacious hard drive, and a decent word processor afford today's students. And the good news is these systems offer strong value far beyond the campus—to home users and small businesses.

Witness the five back-to-school systems we've assembled here, all of which are priced at \$1,299 direct. A year ago, that same amount would have bought a system based on an AMD K6-2 or Intel Celeron processor running, on average, at 400MHz. Today's homework-minded machines pack AMD Athlon or Intel Pentium III processors that clock in at 667MHz, 700MHz, and even 733MHz. That may be overkill for writing term papers, but it's a good investment toward future computing needs.

Progress has been made in other system components as well. All five of the systems in this roundup came with at least 64MB of RAM (in fact, all but one had 128MB), a minimum 10GB hard drive (20GB and 30GB drives weren't uncommon), a 17-inch monitor, a DVD-ROM drive, and a 3D graphics card with at least 16MB of RAM. Three of the five systems employed graphics boards based on nVidia's Riva TNT2 chip, a very capable selection.

These Five Fast
Desktops Are Great
Buys for Students
And Home Users

Category Tested	Desktop PCs
Direct Price	\$1,299
Minimum Configuration	600MHz processor (any brand), 64MB RAM, 106B hard drive, 3D graphics card with 16MB RAM, 8x DVD-ROM drive, 17-inct monitor, V.90 modem, satellite- subwoofer speaker system, bundled productivity suite
Companies Included	ABS Computer Technologies, Acer America Corp., Gateway, Quantex Microsystems, Tiny Computers

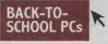
# news | best buys | opinions | reviews | features | wab buyer | biz-to-biz | hands on | reference

Though all the systems are well-suited to school activities-writing papers, conducting research on the Web, and so onsome go the extra mile by including Ethernet adapters, Zip drives, and generous software bundles. Of course, you can add these accessories to any system at the time of purchase, but you may exceed the under-

At the very least, undergraduates and

\$1,300 price limit we set for the vendors.

but its hardware is beyond reproach.



2000, while the Acer Aspire 6422, Gateway Select 700, and Tiny Millennium Tutor 733 bundle Microsoft Works 2000. We think the latter is a better choice for students, because it provides ample functionality and a more straightforward interface. WordPerfect Office is definitely a robust

> suite, but it may prove too complex for students who just want to type a paper.

Given that students often work late into the night, we are happy to report that all five vendors offer 24-

hour, toll-free technical support. If you're packing a kid off to school, you might want to pick a system that includes onsite service-check with the vendor to see what circumstances warrant an onsite

repair visit. If, say, the DVD-ROM drive dies (as it did in our ABS evaluation system), will the vendor dispatch a technician to install the replacement? The conditions for onsite service vary considerably from vendor to vendor, so investigate the policy thoroughly if you consider it important.

None of the systems in our roundup earned straight A's, but they're all fast, competitively priced, and generally wellequipped. A few stand above the rest, but any of them would serve a student well.

#### ABS PERFORMANCE 3 \*\* \*

PROS: Top-notch graphics and audio subsystems; great keyboard; good software bundle

CONS: No system documentation or setup instructions



True to its name, the ABS Performance 3 is built for speed. While other systems here are faster overall, the

Performance 3 has an ace up its sleeve in the form of a Guillemot 3D Prophet graphics card. This nVidia GeForce 256based card blazed through our 3D- and graphics-related benchmark tests, beating the other systems by a significant margin.

#### NOTEWORTHY

With its GeForce 256-based graphics card and pumped-up, three-piece Altec Lansing speaker system, the ABS Performance 3 proved to be a

multimedia powerhouse as well-suited for fun as it is for cranking out

term papers. Its software bundle may not be the best choice for novices,

There's a lot to like about the Tiny Millennium Tutor 733: a 733MHz CPU, a massive hard drive, a crystal-clear monitor, great performance scores—even an included inkjet printer. But the system's overall appeal is weakened by Tiny's lack of a money-back guarantee.

future doctoral candidates will need a competent word processor, so you need to pay some attention to the software bundle. The ABS Performance 3 and Quantex M733 come with Corel WordPerfect Office

	ABS Performance 3	Acer Aspire 6422	Gateway Select 700	Quantex M733	Tiny Millennium Tutor 733
DIRECT PRICE AS TESTED	\$1,299	\$1,299	\$1,299	\$1,299	\$1,299
CONFIGURATION					
Processor	667MHz Pentium III	733MHz Pentium III.	700MHz AMD Athlon	733MHz Pentium III	733MHz Pentium III
RAM Installed	128MB	128MB	64MB	128MB	128MB
Pipeline-Burst L2 Cache Installed	256K	256K	512K	256K	256K
Chip Set	Intel 820	Via VT82CC686A	AMD 750	Intel 810e	Via 133A
Available Expansion Slots	None	One PCI	None	One PCI	One PCI
I/O Ports	Parallel, two serial, two PS/2, two USB, game	Parallel, five USB	Parallel, two serial, two PS/2, three USB, game	Parallel, serial, two PS/2, two USB, game	Parallel, two serial, two PS/2, two USB, game
Hard Drive Rated Size/Manufacturer and Model/Rotational Speed (rpm)	20.5GB/IBM Deskstar/ 7.200	20GB/Seagate Barracuda ST320-430A/7,200	10GB/Quantum Fireball/5,400	15GB/Maxtor DiamondMax VL/ 5,400	30GB/Maxtor 53073U6/7 200
Monitor	17-inch Lite-On 771	17-inch Acer Aspire 77s	17-inch Gateway EV700	17-inch Quantex XP175D	17-inch Tiny A1770NSL
Graphics Processor	nVidia GeForce 256	nVidia Riva TNT2	nVidia Riva TNT2	Intel 810e	nVidia Riva TNT2
Graphics Card	Guillemot 3D Prophet	Acer nVidia Riva TNT2	nVidia Riva TNT2 Model 64	Integrated	nVidia Riva TNT2 Model 64
Onboard Graphics RAM	32MB	16MB	32MB	4MB**	32MB
DVD-ROM Drive	8x NEC	8x Hitachi	12x Pioneer	12x Toshiba	8x Matsushita
DVD Decoder Software	CyberLink PowerDVD	InterVideo WinDVD	Ravisent DVD Player	Ravisent DVD Player	CyberLink PowerDVD
Sound Card	Creative Labs Sound Blaster Live Value	Integrated ESS Solo-1	Creative Labs Sound Blaster 128	Integrated Aureal Vortex	Integrated Creative Labs Sound Blaster 64
Speakers	Aftec Lansing ACS45.2 (three-piece)	Altec Lansing ACS60 (two-piece)	Boston Acoustics BA735 (three-piece)	MidiLand MLi-450 (three-piece)	Altec Lansing ACS33 (three-piece)
Additional Hardware	Microphone.	3Com EtherLink Ethernet adapter, ProPad gamepad controller	Microphone	250MB Zip drive, GFC2206 Ethernet adapter	Intel Pro100+ Ethernet adapter, Lexmark Z11 printer
SOFTWARE INCLUDED	1999 Groller Multimedia Encyclopedia, Corel WordPerfect Office 2000, game demos	Microsoft Works 2000, LifeAmp, PC-cillin, PC-Doctor, Time Machine, webSight	Microsoft Works 2000, Quicken Basic 2000, Norton AntiVirus 2000	1999 Grolier Multimedia Encyclopedia, Corel WordPerfect Office 2000, CyberSmoop 3.0 SE, Drive Image SE, Email VoiceLink 3.0, Enfish Tracker, McAfee VirusScan	Microsoft Works 2000, PowerQuest SecondChance, Cheyenne BitWare, PC-cillin 98, Tiny Absolute Games Pack
SERVICE AND SUPPORT*					
Money-Back Guarantee/Restocking Fee	Yes/no	Yes/15 percent	Yes/no	Yes/no	No/15 percent for cancellation of order
Standard Warranty (Parts and Labor)	Three years parts, lifetime labor	One year parts and labor	Three years parts and labor, one year onsite	Three years parts, one year labor, one year onsite	Three years parts and labor (one year for monitor and keyboard)
Extended/Upgraded Warranties	\$50 adds one year onsite	\$199 adds two years	\$99 adds two additional years onsite	\$150 adds two years labor and onsite	\$199 adds three years onsite
Live Toll-Free Tech-Support Hours Who Pays for Shipping Under Warranty Online Tech Support	24 hours daily Customer pays one way Yes	24 hours daily Customer pays one way Yes	24 hours daily Customer pays both ways Yes	24 hours daily Customer pays one way Yes	24 hours daily Vendor pays both ways (for first year) Yes



# I DON'T WANT TO WAIT

FOR ANSWERS

CALL ME
NOW

# GET GREAT TECHNOLOGY FOR YOUR SMALL BUSINESS AND ANSWERS TO YOUR QUESTIONS, FAST. With the new

Call Me Now button on the IBM Web site, you won't

have to wait around for answers about IBM

Call me now → J

technology. Simply click on the icon, fill in your name and number, and a personal sales advisor will call you in a matter of minutes. And when you need a computer fast, we can help you with that as well. Select systems are in stock and ready to ship the same day you order them.' Not only will they get to you fast, they will help you work faster, too. The IBM PC 300 GL, Small

Business Series comes with a blazing fast Pentium® III processor, and it's preloaded with small business tools that give you the performance you need to succeed.

# HERE'S WHAT CUSTOMERS THINK ABOUT CALL ME NOW:

Benjamin Siersma "Incredible! My call was returned ten seconds after I hit the key."

Gladys Jackson "Wow, I was really surprised at how fast someone called me back,"





The "Buy Today, Ship Today" program applies to selected IBM products only (designated on the IBM Web site at Nova.com/shop); it does not apply to mon-listed systems, accessories, options or other products. Orders under the program must be properly completed by 3:00 p.m. Eastern Time. Orders completed after 3:00 p.m. or on weekends ship the next business day. An order is considered properly completed when IBM has approved the customer's method of payment, including any necessary credit authorizations. Orders subject to product availability. Delivery date and costs will vary depending on delivery method chosen. Shipments may be delayed due to business closings or delays based on the weather or other circumstances beyond our control. IBM reserves the right to modify or withdraw this offer at any time, without notice. "Whit measures only microprocessor internal clock speed. Other factors may affect application performance. "GB means one billion bytes when reterring to hard drive capacity. Accessible capacity may vary. "Some software may differ from its retail version (if available), and may not include user manuals or all program functionality. For non-IBM products, if any, are provided by third parties, or 18ML IBM makes no representations or warranties regarding non-IBM products. "Prices shown are prices available from IBM directly: reseller prices may vary for PC 300 Part #6344-20U, 15" Monitor Part #15MONDA, Memory Upgrade Part #331.5137, Printer Part #01N1025; NetVista Part #643-13U, Epon Printer Part #03N1932, Memory Upgrade Part #330-0197; ThinkPad Part #2628-1AU, Memory Upgrade Part #20X8867, Warranty Service Upgrade Part #30L9197; ThinkPad Part #2647-21U, UltraPort Camera Part #08N1932, Memory Upgrade

#### DESKTOPS

#### **IBM PC 300**

Intel® Celeron™ processor 533MHz 32MB SDRAM 5GB<sup>®</sup> HDD Integrated graphics Integrated 10/100 Ethernet 15" monitor (13.9" viewable)

素温证加

Microsoft" Windows" 98 Lotus SmartSuite® Millennium Edition<sup>4</sup>

\$856°

SuccessLease™ 531/MONTH

CUSTOMIZE YOURS:

64MB 133MHz NP Memory Upgrade (only available installed) \$99° or \$4/month® 8X/4X/32X' CD-RW Internal IDE Drive \$249° or \$9/month®

IBM PC 300GL, Small Business Series

Pentium III processor 733MHz/133MHz 128MB SDRAM

30GB HDD

32MB SGRAM graphics

2X/4X/24X-10X CD-RW

10/100 Ethernet

17" monitor (15.9" viewable)

Windows NT®

Lotus SmartSuite Millennium Edition Microsoft Office Small Business

\$1,783°

SuccessLease for Small Business \$65/MONTH

CUSTOMIZE YOURS:

128MB 133MHz Memory Upgrade

\$192° or \$7/month®

Lexmark Z52 Color Inkjet USB Printer \$179.99° or \$7/month°

#### IBM NetVista™ X40 13U

15.0° TET

Pentium III processor 667MHz

64MB SDRAM

20GB HDD (7200 rpm) 24X-10X CD-ROM

10/100 Ethernet

5 USB ports

Windows 9B

Lotus SmartSuite Millennium Edition

\$2,330°

SuccessLease for Small Business \$85/MONTH®

CUSTOMIZE YOURS:

Epson Color Stylus Printer SC670 SE (black) \$99° or \$4/months

Tripp Lite Internet Office 280 UPS

\$79° or \$3/month°

## **NOTEBOOKS**

#### IBM ThinkPad® A20m

Mobile Intel Celeron processor 550MHz 12.1" TFT active matrix display 64MB SDRAM 6.0GB HDD 24X-10X CD-ROM Mini-PCI 56K\* V.90 modern Windows 98 Second Edition Modular Ultrabay™ 2000 ThinkLight<sup>™</sup> keyboard light

\$1,749

SuccessLease for Small Business \$66/MONTH\*

# **CUSTOMIZE YOURS:**

Travel weight of 6.3 lbs."

64MB 100MHz NP SDRAM Memory Upgrade \$95° or \$4/month® IBM ThinkPad Port Replicator \$149° or \$6/month

Warranty Service Upgrade - 3-Year Next Business Day Onsite Service \$1475 or \$6/month5

#### IBM ThinkPad T20

Mobile Pentium III processor 650MHz featuring Intel SpeedStep™ technology 13.3" TFT active matrix display 128MB SDRAM 6.0GB HDD • 24X-10X CD-ROM Mini-PCI 56K V90 modern Windows 98 Second Edition Titanium Composite cover Modular Ultrabay 2000

\$3,099°

Travel weight of 5.2 lbs.

SuccessLease \$110/MONTH\*

#### **CUSTOMIZE YOURS:**

IBM UltraPort™ Camera \$99° or \$4/month® 128MB 100MHz NP SDRAM Memory Upgrade \$189° or \$7/month® Warranty Service Upgrade - 1-Year

Next Business Day Onsite Service \$49° or \$2/month°

#### SPECIAL OFFER

Buy any Intel processor-based IBM system, excluding servers, and choose your free accessory!

FREE UMAX 2100U Scanner

**IBM Computer Backpack** 

# Agfa ePhoto Smile Digital Camera Part #10K3746

Call for more promotions, or to place your order. Shipping and handling not included. Phone orders only. Offer expires September 15, 2000. Cannot be combined with other offers. Offer valid in US only while supplies last

@business tools



# **DIRECT** TO YOU

Please use advantage code 7595 for latest pricing.

ibm.com/smallbusiness7595 1-888-ShopIBM, advantage code 7595

IBM recommends Windows 2000 Professional for business.



Part #20L0255, Warranty Service Upgrade Part #30L9188. IBM price does not include tax or shipping and is subject to change without notice. "SuccessLease is offered and administered in the US and Canada by third-party providers of trustreal value. Such cases and provided by IBM Global Financing. Successus sease terms and conditions provided by the third party. Monthly lease payments based on 36-month term, full payout lease, to qualified business customers installing in the US. Documentation fee and first month's payment due at lease signing. Taxes are additional. Other terms and financing structures are available. Offer may be withdrawn or changed without notice. Options must be leased with system unit. Variable read rate. Actual playback speed will vary and is often less than the recommum possible. These moderns are designed to be capable of receiving data up to 56Kbps from a compatitive service provider, and transmitting data at up to 31 Xbps. Public networks currently limit maximum download speeds object 53Kbps. Actual speeds depend on many factors and are often less than the maximum possible. "Includes battery and optional travel covariant actual weight may vary due to venion components, manufacturing processes and options. All products ship with an operating system. IBM reserves the right to alter/withdraw offerings at any time, without notice. SuccessLease and all IBM product names are registered trademarks of international Business Machines Corporation. Lotus and SmartSulfs are registered trademarks of contents. The product native of contents the first trademarks of finite readings of the contents. The material resides of the contents of the contents of the contents of the contents. The material resides of the contents of the contents. marks and Celeron and SpeedStep are trademarks of Intel Corporation. Microsoft, Windows NT are registered trademarks of Microsoft Corporation. Other company, product and service names may be trademarks or service marks of others. @2000 IBM Corp. All rights reserved.

For everything from image editing to game playing, the Performance 3 rules.

For everything else, it's spry as well. The system is based on a 667MHz Pentium III and includes a 20.5GB IBM Deskstar hard drive, ample space for all the MP3 files and other downloads that are sure to find a home on it.

ABS assumes some computer savvy on the part of the user, because the Performance 3 arrives without setup instructions or even a system-specific manual. The company does provide a handy three-ring binder containing manuals and driver CDs for the various system components, but it lacks some essential information, such as the ABS Web address and tech-support phone number.

We wound up needing that number when the system's DVD-ROM drive turned out to be defective. Other than that, system setup was trouble-free, and once we'd replaced the drive, everything ran smoothly.

One of the Performance 3's best assets is its Microsoft Internet Keyboard, which has several dedicated buttons for browsing and searching the Web, opening your Favorites folder, and accessing the Windows My Computer settings. It even has commonly used Ctrl-key shortcuts printed on the forward side of certain keys.

We had low expectations for the generic-looking Lite-On 771 monitor, but it

turned out to be quite solid, with a crisp picture all the way up to 1,280x1,024. And the system's bass-pumping Altec Lansing ACS45.2 speakers are guaranteed to elicit cries of "Turn it down!" in homes and dorms alike. That's due in part to the Creative Labs Sound Blaster Live Value sound card that drives them. Overall, the one-two punch of the Guillemot and Sound Blaster cards delivers an audiovisual knockout.

ABS bundles the system with Corel WordPerfect Office 2000, a robust and comprehensive suite of business applications. Although Microsoft Works would be a less intimidating choice for

students, WordPerfect does afford some growing room for after graduation. The Performance 3 also comes with the 1999 Grolier Multimedia Encyclopedia and a handful of game demos designed to BACK-TO-SCHOOL PCs

spotlight the Guillemot card's prowess.

At press time, the Performance 3 wasn't available on the ABS Web site; for other systems, the site made it easy to create a custom configuration and offered numerous upgrades and accessories. For instance, the Performance 3 lacks an Ethernet card, but you can add one for only \$25.

Though the standard ABS warranty doesn't include onsite service, it covers parts for three years. You can add a year of onsite coverage for \$50. All told, the Performance 3 has what it takes to make the grade. It's a well-appointed PC that definitely belongs on your short list.

#### ACER ASPIRE 6422 \* \*

PROS: Excellent monitor; LAN card included; five USB ports; good software bundle

CONS: No serial ports; no mouse wheel; useless gamepad controller; short warranty

ike a horseshoe that hits the stake and bounces off, the Acer Aspire 6422 is almost a ringer. Among its virtues are a 733MHz Pentium III CPU, a roomy 20GB hard drive, one of the best monitors in the group, and some nice extras. Among its problems are a few configuration snafus that Acer could easily correct—and should.

The Aspire is relatively easy to set up,

to plug into one the Aspire's sound-card connectors. The problem is, it's the wrong color. The plug is blue, but the correct port is green. Also, though it's nice of Acer to bundle a gamepad controller with the system, it requires a traditional joystick port, which the Aspire doesn't have. Acer needs to provide a USB controller instead. We also suggest that the company supply a mouse with a scroll wheel.

Though the Aspire does have a parallel port, it lacks a serial interface, a potential problem for anyone planning to connect non-USB digital cameras, Palm handhelds, and other devices. On a brighter note, one of the remaining two USB ports is positioned on the right side of the keyboard, a handy location. Equally convenient is the headphone jack located on the front of the right speaker.

Speaking of speakers, the Aspire is the only system here that lacks a subwoofer. However, the Altec Lansing ACS60 satellites, which clip onto the side of the Acer monitor, pump out surprisingly loud and deep audio. Only serious audiophiles would be disappointed. Acer's keyboard contains a large volume-control/mute dial that's a dramatic improvement over the volume buttons found on most other keyboards. The system also ships with an Ethernet adapter that lets students tap into the home or college network.

Acer's monitor merits praise not only for its simple onscreen controls, but also for its sharper-thanaverage picture, which is acceptable for working at 1,024x768 resolution. Movies and games look stellar and play smoothly thanks to the Aspire's nVidia Riva TNT2-based graphics card.

Novice users will appreciate the option of using ACE Desktop, a replacement shell

that makes programs easier to launch and Windows easier to navigate. Acer also provides Microsoft Works 2000, diagnostic and antivirus software, extensive online documentation, and an invaluable systemand file-restoration utility, TimeMachine.



thanks to its mostly legacy-free design. The mouse, keyboard, and speakers plug into three of the system's five USB ports—no room for confusion there. But the speakers also have a color-coded cable that's meant

Although the Aspire turned in mostly average benchmark scores, we found it plenty fast for mainstream computing tasks. Acer's well-designed Web site lets you customize the Aspire's configuration and add a handful of options, such as Zip and CD-RW drives.

Though it's slightly diminished by a few easily remedied glitches and a short one-year warranty, the Aspire 6422 is a wellrounded system that deserves consideration.

# GATEWAY SELECT 700 \* \*

PROS: Best monitor in the group; good software bundle; three USB ports CONS: Less RAM and smaller hard drive than

competing systems; middling performer

n the Select 700, Gateway has crafted a capable system bearing the only AMD Athlon processor included here. Alas, the 700MHz CPU neither elevated the system to performance excellence nor kept it from being overshadowed by better-equipped competitors.

The Select 700 arrived with a 10GB hard drive, the smallest in the group, and 64MB of RAM.

That's certainly ample for most entry-level users, but the other systems in our roundup deliver considerably more storage and twice the RAM for the same price. Similarly, the Select 700 lacks appealing extras such as an Ethernet card or a Zip drive; a microphone is the only trimming.

Gateway does earn points for supplying an attractive software bundle that includes Microsoft Works 2000, Quicken Basic 2000, and Norton AntiVirus 2000. Even there,

BACK-TO-

however, the company could have gone a step further by packaging some systemrecovery software, as did the Acer Aspire and Tiny Millennium Tutor.

Though the Select 700 posted an above-

Shortcomings notwithstanding, the Select 700 does have numerous points in its favor. Its keyboard, for instance, features not only programmable quick-launch buttons for accessing e-mail and the Internet, but also volume and CD-playback controls. Better still, the system comes with the best monitor in the group; a

Samsungmade Gateway EV700. In addition to providing the sharpest text, especially at 1,024x768, its design allows it to sit flush against a wall without cords getting in the way. Every computer should come with a monitor of this caliber.

And every computer

should come with at least three USB ports, as the Select 700 does. As for its sound system, Gateway supplies a Sound Blaster 128 card and the three-piece Boston Acoustics BA735 speaker system. The speakers are a reasonably compact subwoofer and a pair of surprisingly tiny satellites, all of which combine to produce above-average sound quality. They don't fill a room with quite the same resonance as the Altec Lansing speakers included with the ABS system, but they're far better than their

size suggests.

If you're shopping online, you'll find plenty of configuration and accessory options on Gateway's Web site. In fact, the site has so many options that customizing a system might turn out to be a bit more time-consuming than it should.

Gateway's warranty is among the best in the roundup, with



average CPUmark 99 score, the rest of its benchmark numbers were middle-of-thepack or worse. It had the lowest Business Disk WinMark 99 score in the group, and not by a small margin. In terms of realworld performance, the slow drive doesn't affect tasks like word processing and Web browsing, but if you plan to run speedsensitive programs (such as CAD or imageediting apps), you might want to consider a faster system.

COMPUTER SHOPPER BENCHMARKS

ABS ENTY Performance 3	Acer Aspire 6422	Gateway Select 700	Quantex M733	Tiny Millennium Tutor 733	Benchmark System Dell XPS T700r
667MHz Pentium III	733MHz Pentium III	700MHz AMD Athlon	733MHz Pentium III	733MHz Pentium III	700MHz Pentium III
128MB	128MB	64MB	128MB	128MB	128MB
27.8	26.3	24.5	23.8	28.5	30.0
57.3	53.6	63.0	60.5	61.5	62.5
282	225	227	87	243	290
93.3	37.8	40.4	NA	36.3	79.0
124	47.3	40.4	NA	45.2	107
3,690	4.560	2,880	3,490	4,760	5,190
	Performance 3 667MHz Pentium III 128MB 27.8 57.3 282 93.3	Performance 3         Aspire 6422           867MHz Pentium III         733MHz Pentium III           128MB         128MB           27.8         26.3           57.3         53.6           282         225           93.3         37.8           124         47.3	Performance 3         Aspire 6422         Select 700           867MHz Pentium III         733MHz Pentium III         700MHz AMD Athlon           128MB         64MB           27.8         26.3         24.5           57.3         53.6         63.0           282         225         227           93.3         37.8         40.4           124         47.3         40.4	Performance 3         Aspire 6422         Select 700         M733           867MHz Pentium III         733MHz Pentium III         730MHz AMD Athlon         733MHz Pentium III           128MB         128MB         64MB         128MB           27.8         26.3         24.5         23.8           57.3         53.6         63.0         60.5           282         225         227         87           93.3         37.8         40.4         NA           124         47.3         40.4         NA	Performance 3

Gateway Select 700, Quantex M733

# QUANTEX M733 \*\*

PROS: 250MB Zip drive; Ethernet card; good software CONS: Slowest system in the group; poor video subsystem and speakers

t first glance, the Quantex M733 looks pretty sweet. It's equipped with a

733MHz Pentium III, a 15GB hard drive, a 250MB Zip drive—the only removable-media drive in the groupand an Ethernet card. Still, these are among the few highlights in an otherwise unremarkable and underpowered system.

Despite its inclusion of the 733MHz Pentium III, one of the fastest processors here, the M733 turned in many of the lowest benchmark scores. One likely culprit is the integrated Intel 810e chip set, which produced a seriously low Business Graphics WinMark 99 score and proved unable to complete our 3D WinMark 2000 tests. What's more, the M733 dropped nearly half the frames in our videoplayback test-the only system in the group to drop any frames at all. And it logged the bottom Business Winstone 99 score.

Fortunately, none of this had any noticeable impact on real-world performance. Graphics-intensive games such as Superbike 2000 ran fine, and DVD movie playback was smooth. Testing DVD playback was difficult because the player software wasn't installed on the system, despite the presence of a DVD player icon on the Windows desktop. We found the player on the hard drive and installed it, but then had

Security Shareware **4 ESSENTIAL ZDNET DOWNLOADS** PassMan 9.4 Safeguard your desktop, files, and passwords. Security Administrator for Windows 95/98 3.2 Control access to your PC. v-Go Universal Password Use a secure universal password system. Windows Security Officer 4.3 Prevent unwanted access to your PC DOWNLOAD THEM NOW FROM www.zdnet.com/downloads

# SCHOOL PCs

to call tech support because it wouldn't run. To Quantex's credit, our weekdayafternoon call was answered immediately, and the solution was simply to change the screen resolution and color depth.

While we think most users will find the M733 to be appreciably fast, others may be disappointed with some of the more tangiMultimedia Encyclopedia, and a handful of system and Web-related utilities. The company backs the system with a three-year parts warranty, but covers labor for only one year. A year of onsite service is also included.

A year ago, Quantex just about ruled the roost among school-oriented systems, but the company's latest effort is noteworthy primarily for its low-end components. Although the Ethernet card and Zip drive are welcome additions, we'd gladly trade the latter for a better graphics card, monitor, and speakers.

#### Secure Systems, hwarted Thieves

f a good thief can make off with your locked SUV in 60 seconds, imagine how quickly one could make a computer vanish from a dorm room. And what's to stop that shady roommate from using your computer for less-than-altruistic purposes or pilfering data from its hard drive? Worry not: There are inexpensive

and effective ways to protect both your PC and its data.

Your computer is less likely to walk off if all of its hardware is chained together. Kensington Technology Group's Desktop MicroSaver Universal Security System (www.kensington.com) uses a steel cable and security plates to daisychain your PC components (monitor, tower, printer, and so on). You can also anchor everything

to your desk. With a direct price of just \$29.99, the MicroSaver is a decidedly affordable way to minimize the risk of theft.

If you're concerned about the security of your data or simply want to keep others from using your PC when you're not around, you can't get more secure than Qualtec Security

> Systems' Data Defender (www.pcsecurity.com). It uses a combination of hardware and software to prevent your system from booting unless you've plugged a specially coded key into the parallel port. The Data Defender is fairly expensive at \$149.95, but it also guarantees the safety of your system. For some less expensive pro-

tective measures, see the ZDNet Downloads box on this page. \(\neg{r}\)

ble aspects of the system. The Quantex XP175D monitor, for instance, while boasting a glare-reducing flat screen, looks fuzzy at resolutions above 800x600. And the MidiLand MLi-450 speakers are definitely at the bottom of the sound heap, croaking out flat, toneless audio that does a disservice to games and movies. What's more, the cable that connects the subwoofer to the M733 tower is way too short to be practical, and the only volume controls for the speakers are on the back of the subwoofer.

The keyboard has volume controls of its own, fortunately, along with three programmable quick-launch buttons (one each for Internet, e-mail, and search). But Quantex supplies no instructions for configuring these buttons or for setting up the system itself. The user manual delves into getting started with Windows, but it doesn't cover hardware setup.

Quantex's software bundle includes Corel WordPerfect Office 2000, the 1999 Grolier

# TINY MILLENNIUM TUTOR 733 \*\*\*

PROS: Among the fastest systems here; great monitor; enormous hard drive; printer included

CONS: No money-back guarantee; loud DVD-ROM drive and power supply; 15 percent fee for canceled orders

hen a computer comes bundled with a color inkjet printer, one can't help but wonder what compromises were made in other areas of the system. Surely the vendor would have to substitute, say, a small hard drive or lowquality monitor. Not so in the case of the Tiny Millennium Tutor 733, a top-notch machine that is a terrific value-and the best performer in the group.

Indeed, the 733MHz Pentium III-based Tutor turned in two of the top benchmark scores in the roundup, including the highest Business Disk WinMark 99 and Business Winstone 99 numbers. Better still, the Tutor's hard drive is not only the fastest, but at 30GB, it's the largest as well. It's the rare student who'll be able to fill this mammoth Maxtor drive with MP3 music files.

# Computing 101: Making Backups

We speak from experience: There's nothing quite so devastating as losing a school project-be it a term paper or doctoral thesis-to a computer glitch. But by making regular and reliable backups of your vital data, you can minimize or even eliminate the impact of such disasters.

For starters, you can copy important files to removable media like CD-RW or Zip disks. You can even use floppies if you're archiving small amounts of data (say, a couple of WordPerfect

Even better, take advantage of one of the many free online-storage services, which let you upload files to the Web-not just for safekeeping. but for access anywhere (like at the library or your parents' house). Three worth checking out are Driveway (www.driveway.com), i-drive

(www.idrive.com), and My Docs Online (www.mydocsonline.com), which provide 100MB, 50MB, and 20MB of storage, respectively-more than ample for data files

While all three services are easy to use, My Docs Online has a particularly useful feature called Web Folders. With it, you can use Windows Explorer to drag and drop files from your hard drive to your virtual Web drive and back again, much like you'd copy files to a floppy disk. (For a closer look at i-drive, see this issue's

One final tip: Use your PIM software or handheld PC to set weekly-or better yet, dailyreminders to make backups. If your data gets wiped out and your last backup is three weeks old, you're not going to be very happy.

The Tiny A1770NSL monitor runs a very close second to Gateway's, both in terms of picture quality (text is razor-sharp even at 1,024x768) and its ability to sit with its back against a wall without cables getting in the way. (In a student's crowded room, that translates to a couple extra inches of pre-

cious desk space.) Like the Acer and Gateway systems, the Tutor employs a swift nVidia TNT2-based graphics card that's particularly wellsuited to games and DVD movie playback. Its Altec Lansing ACS33 speakers do fall into the lower end of the sound spectrum, but they're loud enough to satisfy most teens.

Tiny earns additional kudos for outfitting the Tutor with an Intel Pro100+ Ethernet adapter, a phonejack splitter, and an aboveaverage software bundle,

which includes Microsoft Works 2000, PowerQuest SecondChance, and four splendid games. And lest we forget the printer, it's a Lexmark Z11-an entry-level inkjet, to be sure, but more than adequate for printing school papers and the like. All that's missing is a printer cable.

As impressive on the outside as it is within, the Tutor is housed in an elegant, compact tower case with gray and silver accents. However, it's noisy, too, owing to a louder-than-average DVD-ROM drive and power supply.

Our bigger complaint is with Tiny Computers itself, the only vendor that doesn't offer a money-back guarantee-the sole reason the Tutor didn't earn a five-star rating. (The company also charges a 15 per-

Tiny Millennium Tutor 733

cent fee for any canceled orders.) While we think the system is an

excellent value, not having a return option will clearly disturb some prospective buyers.

The company is fairly generous in other aspects of customer support. In addition to offering a three-year parts-and-labor warranty, Tiny is the only vendor that pays for shipping in both directions for replacement parts, though only for the first year. Still, the company's Web site is limited in terms of changing the system configuration, offering only a handful of upgrades and accessories.

The Millennium Tutor 733 combines excellent performance with solid components and some worthwhile extras. Nevertheless, we find Tiny's no-return policy and cancellation fee to be major obstacles for potential purchasers. We therefore urge shoppers to weigh these terms carefully in their buying decision.

#### STUDY BREAKS

iven that all five systems are priced at \$1,299, it's fairly easy to spot the ones that offer the most bang for the buck-and those that offer the least. The Gateway Select 700, for instance, came up short with 64MB of RAM, a 10GB hard drive, and low test scores. The Quantex M733, while stocked with more memory and storage space, fell even further behind on our benchmark tests, though it did score points for its Ethernet adapter and 250MB Zip drive.

In the middle, Acer's nicely equipped Aspire 6422 demonstrated the benefits of novice-friendly design and a robust software bundle, but stumbled a bit with its unnecessary setup and configuration snafus.

The ABS Performance 3 won us over with its outstanding components, which include an nVidia GeForce 256-based graphics card and a Sound Blaster Live Value sound card. And the printerequipped Tiny Millennium Tutor 733 proved that low price and great hardware aren't mutually exclusive, but the company's prohibitive terms may cut into the system's overall appeal. V

ZDNet Price It!"	code
ABS Performance 3	33716
Acer Aspire 6422	33717
Gateway Select 700	33718
Quantex M733	33719
Tiny Millennium Tutor 733	33720

RATED T TO 5 STARS	**** Best	***	***	**	***
SYSTEM	ABS Performance 3	Acer Aspire 6422	Gateway Select 700	Quantex M733	Tiny Millennium Tutor 733
COMPANY	ABS Computer Technologies Whitter, CA 800-876-8088 www.buyabs.com	Acer America Corp. San Jose, CA 800-733-2237 www.acer.com	N. Sloux City, SD 800-846-4208 www.gateway.com	Quantex Microsystems Somerset, NJ 800-346-6685 www.quantex.com	Tiny Computers Tacoma, WA 888-818-8469 www.tiny.com
DIRECT PRICE	\$1,299	\$1,299	\$1,299	\$1,299	\$1,299



\*Free Internet Access

\*Lowest Price Systems in the computer Shopper Month after Month!

We will beat any price (Same Configurations Listedon this page only)

DEALERS-SCHOOL-GOVERNMENT PO'S WELCOME! FINANCING AVAILABLE!

Tel:(888)538-8828

Super Athlon

# AMD K-7 ATHLON CPU 650 MHZ

SAVER ATHLON

- Motherboard
- 64 MB PC 100 SDRAM
- 13 GB UDMA HDD/ 1.44 FDD
- 16 MB TNT 2 M64 Accelerator
- VCD & Win DVD Software
- 50 X MAX CD-ROM
- 3D Wave Table Sound
- Stereo Speakers
- Mid Tower ATX case 108 Key win98 Keyboard
- Mouse & Mouse Pad
- 56 K Fax / Data / Voice Modem
- Windows 98 CD &Manual Add \$95
- Free Software Bundle

# **GET WITH THE ACTION!**



# AMD K-7 ATHLON 650 MHZ CPU

- Motherboard
   64 MB PC 100 SDRAM
- 20 GB UDMA HDD/ 1.44 FDD
- 17 " NI, 28 Monitor
- 32 MB TNT M64 Accelerator VCD & Win DVD Software
- 10 x Gen DVD Drive
- 3D Wave Table Sound
- Stereo Speakers
- Mid Tower ATX case
- 108 Key win98 Keyboard
- Mouse & Mouse Pad
   56 K Fax / Data / Voice Modem
   Windows 98 CD & Manual Add \$95
- Free Software Bundle

For Work or Play #1 Choice



ATHLON 700

ATHLON 750

\$939

# ASK ABOUT OUR EXTENDED WARRANTY COME VISIT US AT SYSCONUSA.COM

Local Tel:(626)854-1151 Fax:(626)854-9916

CALL FOR UPGRADE \*\* INFORMATION \*\*

WE HAVE \* DVD \* CDRW \* PRINTERS

18343 Gale Ave. City Of Industry CA.91748

# AMD K6-2 550 MHZ

- 64 MB PC100 SDRAM / 512k Cache
- 10.2 GB UDMA HDD / 1.44MB FDD
- AGP 8 MB Video Accelerator (share mem)
- 50x Max Speed CD-ROM
- · 3D Wave Table Sound
- Steren Hi-Power Sneakers
- 56K Fax/Data/Voice Modern
- · Mid Tower Case
- . Win 98 Keyboard, Mouse & Pad
- Windows 98 CD & Manual ADD \$95 GREAT FOR HOME OR THE OFFICE!

# Super Saver

# **Beat This Deal**



•64 MB PC100 SDRAM / 512k Cache

•10.2 GB UDMA HDD/1.44MB FDD

· AGP 4MB Video Accelerator (share mem)

AMD K6-2 3D NOW! 550 MHz

- •15" NI.28 MONITOR
- •17" .28 Monitor Add \$ 65
- 50 x Max Speed CD-ROM
- 3D Wave Table Sound
- Stereo Hi-Power Speakers
- 56K Fax/Data / Voice Modem
- Mid Tower Case
- Win 98 Keyboard, Mouse & Pad
- Windows 98 CD & Manual ADD \$95

# **Best Value!**



Super Saver 2

# Intel Pentium III 550 CPU

- Pentium III motherboard
- 64 MB PC100 SDRAM
- 15 GB U.D. HDD / 1.44MB FDD
- 17' NI., 27 Monitor
- TNT 2 32 MB Video Accelerator 50 x Max Speed CD-ROM
- · 3D Wave Table Sound Card · Stereo Speakers
- 56K Fax/Data/Voice Modem
- Mid ATX Tower Case
- · Win98 Keyboard, Mouse & Pad
- Windows 98 CD & Manual Add \$95

# **SMART SYSTEM 2**

- Pentium III 600
- Pentium III 650 Pentium III 700

\$819 \$859

# Come visit us at www.sysconusa.com

Log on to our web-site to see all of the fine computer options available to you and your company! We will be glad to customize your next system to suit your needs.

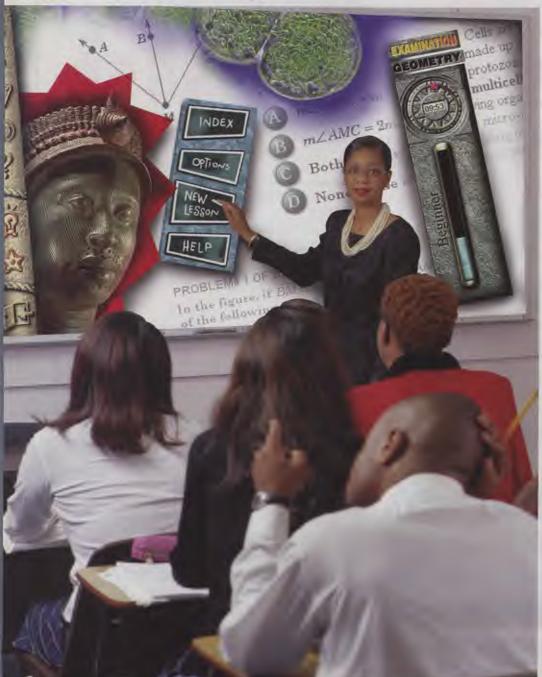
> **ATT: Dealers** Call and ask about our new CASH4PC.COM Program!

National&International Sales Reps WANTED! Call EXT 104 for details!

Copyright 1999 SYSCON Technology Inc., All rights reserved. All company and/or product names mentioned herein are trademarks and/or registered trademarks of their respective companies. All Prices & Specifications are subject to change without notice. The Intel Inside logo and Pentium are registered trademarks of Intel Corporation and MMX is a trademark of Intel Corporation. All other logos and trademarks are the property of their respective companies. All returns merchandises are subject to 20% restocking charge after 30 days money back warranty and must be with R.M.A. number and shipped in the original condition prepaid and instrued. All photographs are for Illustration proposes only and may not be true representation of causal products. Shipping & handling charge and open software is not refundable. We thoroughly check every credit card for your protection. Not responsible for typographical errors. One year parts and One year labor warranty.

EDUCATIONAL SOFTWARE

# Higher Learning



Five educational programs that can help high-school and college students make the grade.

BY DAVID ENGLISH

hether you're getting ready to go back to school or are just interested in learning more about a particular subject, plenty of exceptional educational titles cater to the interests and minds of older students. You'll find everything from curriculum-based software intended to supplement class work, to specialized programs designed to raise scores on standardized tests, to reference titles that explore a specific topic.

If you were disappointed by educational programs in the past, you'll be pleasantly surprised by the latest graduates in this field. Indeed, today's programs take advantage of flashy multimedia presentations, advanced search techniques, and the interactive nature of the Internet to make learning more fun and rewarding.

Need proof? We've selected six educational titles that span a range of disciplines to give you a taste of what's available. Each excels in its area of study. Try them, and they'll certainly help you excel in those areas, too.

# EDUCATIONAL SOFTWARE

# BODY VOYAGE \*\*

PROS: Unusual examination of a real body; fly-by animations; peel-away views

CONS: Not for the squeamish

ody Voyage isn't a remake of the movie Fantastic Voyage, though it is a journey through a human body. This remarkable program from SouthPeak Interactive is the result of the Visible

Human Project, in which a human body was meticulously sliced and photographed for the specific purpose of capturing it on film. Overall, the operation created more than a terabyte of data. Body Voyage presents the highlights of that operation, distilled into 1,800 incremental pictures of skin, muscle, and bone. It may sound grisly, but it's a fascinating and truly educational experience.

The program begins with an introduction to the Visible Human Project and an explanation of how the data was adapted for the CD-ROM. The main section of the program lets you see the body using fly-through animation. A peel-away view reveals the body's anatomical structures, and a cross-section view manually moves you through more than 2,000 cross-sections of the head, torso, pelvis, leg, and full body. In addition, a gallery of selected views provides spinning versions of the three-dimensional body with different layers removed. The program also includes 400 labels and definitions for various body parts. Not for the squeamish, this CD-ROM will forever change your understanding of what, if not who, we are.

# THE CIVIL WAR EXPERIENCE \*\*\*

PROS: Based on eyewitness accounts; two hours of video clips from The History Channel CONS: Weak music examples

hether you're writing a paper on the Civil War or just want to learn more about this important time in our nation's history, you'll enjoy the immersive quality of The Civil War Experience from SouthPeak Interactive. This highly personal view of history is presented through actual eyewitness accounts,

letting you explore the lives of both the powerful and the ordinary. You can examine the causes leading up to the war, learn about daily life on a Southern plantation, or read short biographies of some of the most intriguing personalities of the war, including military figures, politicians, and social figures-all from a single CD-ROM.

The Civil War Experience includes animated hour-by-hour battle maps showing



SouthPeak Interactive's Body Voyage lets you examine layer after layer of a real human body.



The Civil War Experience lets you explore this pivotal moment in U.S. history from the point of view of the people who lived it.



Inside the SAT, ACT & PSAT 2000 Deluxe Edition lets you practice with actual questions from past exams.

the placement of troops during eight crucial Civil War battles, and more than two hours of video clips from The History Channel's Civil War Journal TV series, including interviews with many top contemporary Civil War experts. In addition, The History Channel and The Civil War Trust reviewed and authenticated all of the software's content. This program delivers a moving and powerful experience to both challenge and engage. The Civil War Experience is a great addition to any home and has the power to transform you from a student of history into a history buff.

#### INSIDE THE SAT, ACT & PSAT 2000 DELUXE EDITION \*\*\*

PROS: Practice tests based on questions from actual exams; tips on how to spot trick questions CONS: Friendly real-life guides can be grating after a while

tudies have shown that students who are familiar with standardized tests such as the SAT, ACT, and PSAT tend to be more relaxed and achieve higher scores when taking them. One of the best ways to gain that familiarity is Mattel Interactive's Inside the SAT, ACT & PSAT 2000 Deluxe Edition. In addition to providing diagnostic tests for determining a student's current skill levels, the program creates a customized study plan to focus efforts precisely where improvement is needed.

Inside the SAT, ACT & PSAT provides valuable insight into how standardized tests are structured. You'll learn how to find the easy, medium, and difficult questions, spot the trap answers, successfully use the process of elimination, and know when it makes sense to guess. The software is based on The Princeton Review's popular test-prep courses, which the company claims have improved students' SAT scores by an average of 100 points. And though there's no guarantee you'll get the same results, Mattel does guarantee that if you don't receive a higher score, you can receive a refund for the price of the software.

# MATH ADVANTAGE 2000 FOR HIGH SCHOOL \*\*

PROS: in-depth tutorials; animated examples and simulations CONS: Reward games could be stronger

or many, math is regarded as an impenetrable subject, as frustrating as it is difficult. Encore Software's Math Advantage 2000 for High School takes the mystery out of mathematics by offering step-bystep instructions in eight core subjects: Pre-

# Fast Homework Relief

Sometimes you need homework help right away you don't have time to visit the library or buy an appropriate software title. Fortunately, the Internet's got resources that can help you out in a pinch. In addition to the standard portals, such as AltaVista and Yahoo, a variety of sites can provide fast relief with no harmful side effects.

With links to more than 1,000 Web sites, Melody's Homework Links (www.usmo.com/~mldy/main.htm) is the mother of all homework-related sites. You'll find everything from general-interest newspapers, encyclopedias, and search engines to specialized databases related to language arts, history, and math. If you're not sure where to go, visit Melody first.

Your next stop might be HelpResource (www.helpresource.com). This homework portal can lead you to hundreds of useful sites. The sites are grouped by subject and age level, so you won't have to spend time wading through 50 sites devoted to first-grade math.

Homework Helper (www.homeworkhelper. com) takes a different approach. Type in a question that you want answered, and the powerful search engine probes thousands of magazines, newspapers, newswire articles, books, TV and radio transcripts, maps, and pictures. It's especially useful for current-events assignments.

In need of heavy artillery? Britannica.com delivers what many consider to be the world's best encyclopedia, and it's absolutely free. For a worldclass dictionary, cruise over to the Encarta Learning Zone (www.encarta.msn.com). Here you can search the full text of the Encarta World Dictionary.

Head back to school with confidence knowing you've got an army of online allies at your command.

Algebra, Algebra I, Algebra II, Geometry, Trigonometry, Pre-Calculus, Calculus, and Statistics. Each subject includes animated examples and simulations to illustrate math concepts, 10- or 20-minute chapter quizzes, and a detailed progress analysis for as many as 10 students. The program even provides a behind-the-scenes instructor who reads aloud the included tutorials.

Math Advantage spans seven CD-ROMs and includes 3,000 challenging problems and self-paced lessons on more than 250 topics. You'll also find seven math-related 3D games as rewards for passing the subject exams. The program also includes a hyperlinked reference library for quick access to math-related research materials. You can use it to look up more than 500 definitions, 200 formulas, 120 math-history articles, and 100 signs and symbols. Whether you need to brush up on your exponents or immerse yourself in independent variables, Math Advantage 2000 for High School can help.

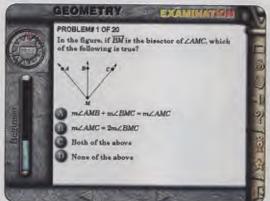
# MICROSOFT ENCARTA AFRICANA 2000 \*\*\*\*

PROS: Rich mix of articles and multimedia; 360-degree panoramic views; powerful search engine CONS: None

Best

In 1909, a leading African-American intellectual by the name of W. E. B. Du Bois dreamed of creating

a reference work that would chronicle the history, culture, and experience of the African people. Microsoft Encarta Africana 2000 was inspired by that same dream. It's a powerful collection of articles, sounds, and images related to the African continent, its natives, and people throughout the world of African descent. The latest version of



Math Advantage 2000 for High School includes practice exams to help improve your math skills.



Microsoft Encarta Africana 2000 offers fascinating historical accounts, sumptuous graphics, and 30 virtual tours.

the encyclopedia includes more than 3,600 articles, as well as 2,900 photos, audio clips, video clips, and maps. You'll also find 800 Web links and 200 sidebars. Many of the articles include a media bar, which lets you quickly select the multimedia elements associated with the article.

The search engine is especially impressive. You can search the entire encyclopedia by keyword, limit your keyword search to a category of information (photos, videos, maps, and so on), or browse the subjects alphabetically.

In addition to using the search engine, you can access much of the encyclopedia's information through timelines. The African timeline includes the historical events associated with the dispersion of African people into the Americas. A separate music timeline traces the history of African-American music with lengthy audio exam-

American music with lengthy audio examples. Other notable features include a virtual tour section with 360-degree panoramic views of historically significant locations, a civil-rights chronology, a library of black literature, and a research organizer. Encarta Africana is also available in the 2001 edition of the Microsoft Encarta Reference Suite.

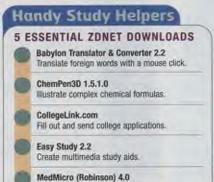
#### STUDYWORKS SCIENCE DELUXE \*\*

PROS: includes cross-discipline subjects, as well as core subjects; step-by-step examples; variety of support materials CONS: Some simulated experiments are too simplistic

f your goal is cultivating a mind for science, it's hard to beat MathSoft's StudyWorks Science Deluxe. According to MathSoft, it covers more material than any other curriculum-based science program. The CD-ROMs include lessons and reference materials in many core subjects, such as earth science, biology, chemistry, physics, and astronomy, as well as several cross-discipline subjects like statistics, science-fiction writing, and the Internet and technology. Complicated concepts, such as black holes, genetics, and writing styles, are explained in easy-to-understand language.

StudyWorks presents complex scientific topics in three stages. The first stage is a Web-like presentation, complete with photographs, diagrams, and animations. The second stage uses step-by-step examples to tie theory to practice. Here you'll learn the relevant math as you begin to apply scientific concepts. The third stage lets you practice scientific activities with simulated

# EDUCATIONAL SOFTWARE



lab experiments and self-test exercises.

Review microbiology with flash cards.

DOWNLOAD THEM NOW FROM

www.zdnet.com/downloads

The program includes a variety of support materials, such as a lab-report writer, an onscreen scientific calculator, a science glossary, and a homework-hints Web service. AP-level topics are sprinkled throughout the lessons, so advanced students should feel right at home, and a copy of Trellix is included so that students can build their own Web sites. At \$29.95, StudyWorks is an especially good bargain.

#### COLLECTING YOUR DIPLOMA

his roundup merely skims the pool of educational and reference titles from which motivated students will want to drink. But even though a wealth of these programs exist, they can be difficult to find. Understandably, retailers are reluctant to group them with elementary-school programs, and stores don't always have a section for reference titles or educational programs for older students. Your best bet is an online software vendor or a larger retail software store. A

# Web State University

eed to take a course in a subject that isn't offered at school? You can find a wide range of courses on the Internet—and some even earn you high-school or college credit. There's no getting up early in the morning or tromping through the rain or snow. And you can wear whatever you like when you attend your virtual classes.

A good starting point is 4Courses.com (4courses.4anything.com). Here you'll find courses in a variety of subjects offered by colleges, corporations, knowledge-based Web sites, public libraries, and nonprofit organizations.

Another top portal for online learning resources is furbello.com. Almost every subject under the sun is listed, including scores of classes appropriate for kindergarten through 12th grade. In addition, the World Wide Learn online learning directory (www.

large selection will give you the opportunity to compare similar titles. It may take persistence to locate this class of truly educational titles, but the impressive quality you can find makes it worth the effort.

worldwidelearn.com) has practically everything from cooking courses to Linux training.

For actual courses, SmartPlanet (www.smartplanet.com) from ZDNet (Computer Shopper's parent company) is an excellent source. Most of the courses are free or cost less than \$30. SmartPlanet is especially strong in computer-related subjects.

If you want a quick step-by-step lesson on a specific topic, rush over to eHow (www.ehow.com). You'll find paragraph-long instructions for such nagging dilemmas as How to Tie a Tie, How to Make Strawberry Shortcake, How to Clean a Bike Chain, and How to Make a Hat From a Paper Bag. You won't find courses in C programming or advanced rocket science, but these quotidian tutorials can be as valuable as gold when you have nowhere else to turn.



Not sure how a cell divides? Check out MathSoft's StudyWorks Science Deluxe for all the sticky details.

ZDNet Price It!"	code
Body Voyage	33736
The Civil War Experience	33737
Inside the SAT, ACT & PSAT 2000 Deluxe Edition	33738
Math Advantage 2000 for High School	33739
Microsoft Encarta Africana 2000	33740
StudyWorks Science Deluxe	33741
For real-time pricing, go to priceit.zdnet.com and	enter number.

LATED 1 10 5 STARS	***	****	***	***	****	***
PRODUCT	Body Voyage	The Civil War Experience	inside the SAT, ACT & PSAT 2000 Deluxe Edition	Math Advantage 2000 for High School	Microsoft Encarta Africana 2000	StudyWorks Science Deluxe
COMPANY	SouthPeak Interactive Cary, NC 800-774-6183, 919-677-4499 www.southpeak.com	SouthPeak Interactive Cary, NC 800-774-6183, 919-677-4499 www.southpeak.com	Mattel Interactive Novato, CA 800-358-9144 www.mattelinteractive.com	Encore Software Los Angeles, CA 310-342-0600 www.encoresoftware.com	Microsoft Corp. Redmond, WA 888-218-5617 www.microsoft.com/encarta	MathSoft Cambridge, MA 800-628-4223, 617-577-1017 www.mathsoft.com
REQUIRES	Windows 3.x, 95, 98, or 2000	133MHz Pentium-class processor; 32MB RAM; Windows 95, 96, or 2000	25MB hard drive space; Windows 95 or 98	32MB RAM recommended; 8MB hard drive space; Windows 95 or 98	Pentium-class processor; 40MB hard drive space; Windows 95, 98, or NT 4.0	90MHz Pentium-class processor; 32MB RAM (48MB recommended); Windows 95, 98, 2000, or NT 4.0
MFR. EST. PRICE	\$19.95	\$39.95	\$39.95	\$39.99	\$69.95 (list)	\$39.95

# DIGITAL CAMCORDERS

Digital Home Movies

f the new generation of consumer digital camcorders is any indication, aspiring Spielbergs have a lot to look forward to. For starters, these sub-\$2,000 devices deliver superb picture quality for less than the cost of a professional-quality lens. They also boast an impressive selection of advanced features-including some not found in models that sell for 10 times the price.

The secret is the new Mini DV video standard. Based on the same Digital Video (DV) format used in expensive professional models. Mini DV can squeeze 80 minutes of high-resolution digital video onto a tiny cassette that's about twice the size of a matchbox.

Mini DV camcorders include an IEEE 1394 interface (also known as FireWire or i.Link), which transfers picture-perfect digital copies of your video to and from a computer at speeds of up to 100Mbps. The interface also provides remote-control capabilities that let you operate your camera from an attached PC. But even without the digital interface, nearly all digital camcorders include audio and video jacks that connect directly to legacy video equipment, which makes it easy to send your digital Mini DV recordings to an analog VCR or TV.

These four consumer-level Mini DV camcorders deliver impressive image quality, loads of features, and access to digital editing and manipulation.

Category Tested	Digital Video Camcorders		
Price Range	\$1,399 to \$1,999		
Minimum Configuration	Mini DV format, IEEE 1394 interface		
Companies Included	Canon U.S.A., JVC Co. of America, Panasonic Consumer Electronics, Sony Electronics		



# DESIGN YOUR OWN SYSTEM. DESIGN YOUR OWN PRICE. GO TO DELL.COM

# DELL" SERVERS:

# DELL" POWEREDGE" 1300

Affordable Entry Level Server

- Intel® Pentium® III Processor at 600MHz (up to 800MHz)
- Dual Processor/RAID Capable
- # 64MB 100MHz ECC SDRAM (up to 1GB)
- 9GB\* 7200 RPM Ultra-2/LVD SCSI HD (up to 36GB°)
- 108GB Internal Storage Capacity
- NIC & Integrated SCSI Controllers; 40X Max CD-ROM
- Dell" OpenManage" Server Management Solutions
- 3-Yr NBD On-site Service'; 7x24 Phone Support

\$1599 @ E-VALUE CODE 05833-290715

- BUSINESS LEASE: \$56/MO., 36 MOS.
- Small Business Upgrade Bundle, add \$1877. ■ Second Intel® Pentium® III Processor at 600MHz, add \$449

# DELL" POWEREDGE 2400

Workgroup Server

- Intel® Pentium® III Processor at 667MHz (up to 866MHz)
- Dual Processor Capable
- 64MB 133MHz ECC SDRAM (up to 2GB)
- # 9GB\* 7200 RPM Ultra-2/LVD SCSI HD (up to 36GB\*)
- Up to 288GB Hot-swappable Internal Storage Capacity
- Embedded Single-channel RAID with 64MB Cache
- Integrated NIC/SCSI Controllers; 40X Max CD-ROM
- Dell<sup>™</sup> OpenManage<sup>™</sup> Server Management Solutions
- 3-Yr NBD On-site Service'; 7x24 Phone Support

2799 @ E-VALUE CODE 05833-290727

JSINESS LEASE: \$98/MO., 36 MOS.

■ NEW Microsoft® Windows® 2000 Server,

# DELL" POWEREDGE" 2450

Ultra-Slim (2U) Rack-Optimized Server

- Intel® Pentium® III Processor at 667MHz (up to 866MHz)
- Dual Processor Capable
- 128MB 133MHz ECC SDRAM (up to 2GB)
- 9GB1 10K RPM Ultra3 SCSI HD (up to 36GB1)
- Up to 180GB Hot-swappable Internal Storage Capacity
- Integrated NIC/SCSI Controllers; 24X Max CD-ROM
- Dell' OpenManage Server Management Solutions
- 3-Yr NBD On-site Service'; 7x24 Phone Support

E-VALUE CODE 05833-290735 BUSINESS LEASE: \$125/MO., 36 MOS.

- Single-channel RAID with 64MB Cache. add \$299
- Red Hat\* Linux™ 6.2, add \$149

# DELL" NOTEBOOKS:

## DELL" INSPIRON" 3800

Design and Affordability Notebook

- Intel® Celeron® Processor at 500MHz
- 12.1" SVGA Active Matrix Display
- 32MB SDRAM; 4.8GB¹ Ultra ATA HD
- Modular 24X Max Variable CD-ROM
   2X AGP 8MB ATI RAGE Mobility "-P 3D" Video
- NEW Microsoft® Works Suite 2000 ■ Microsoft\* Windows\* 98, Second Edition
- 1-Yr NBD On-site Service3

\$1399 @ E-VALUE CODE 05833-890713

BUSINESS LEASE: \$47/MO., 36 MOS.

■ 3-Yr NBD On-site Service<sup>3</sup>, add \$149

# DELL" INSPIRON" 5000

Performance and Mobility Notebook

- Intel® Celeron™ Processor at 500MHz
- 15" XGA Active Matrix Display
- 32MB SDRAM; 6.0GB Ultra ATA HD
- Modular 24X Max Variable CD-ROM/ Floppy Drive
- 2X AGP 4MB ATI RAGE Mobility"-P 3D® Video
- . 52WHr Lithium Ion Battery
- Microsoft® Office 2000 Small Business
- Microsoft® Windows® 98, Second Edition
- 3-Yr NBD On-site Service<sup>3</sup>

79 © E-VALUE CODE 05833-890719

BUSINESS LEASE: \$86/MO., 36 MOS."

■ Upgrade to CompleteCare™ Service™, add \$169

# DELL" LATITUDE" CP

Network-Optimized Notebook

- Intel® Celeron® Processor at 500MHz
- 12.1" SVGA Active Matrix Display ■ 32MB SDRAM; 4.8GB Ultra ATA HD
- Modular 24X Max CD-ROM/Floppy Drive
- Microsoft\* Windows\* 98, Second Edition
- Li-Ion Battery w/ExpressCharge™ Technology
- Dual Pointing Touchpad and Pointing Stick ■ Internal 56K Capable' SoftModem.
- 1-Yr NBD On-site Service<sup>1</sup>

\$1499 @ E-VALUE CODE 05833-790714

BUSINESS LEASE: \$52/MO., 36 MOS.

■ Upgrade to 14.1" Active Matrix Display.

# DELL" DESKTOPS AND WORKSTATIONS:

## DELL" DIMENSION" L

#### Affordable Desktop

- Intel® Celeron® Processor at 500MHz
- 32MB SDRAM (up to 512MB)
- 7.5GB¹ Ultra ATA HD (up to 20GB¹)
- 15" (13.8" vis) E550 Monitor
- Intel® 3D® AGP Graphics; 48X Max CD-ROM
- SB 64V Integrated Sound
- Intel® 10/100 Ethernet Controller
- MS\* Windows\* 98 & MS\* Works Suite 2000 and Norton® AntiVirus™ 2000
- 3-Yr Ltd. Warranty'; 1-Yr NBD On-site Service

\$699 @ E-VALUE CODE 05833-590706 BUSINESS LEASE: \$23/MO., 36 MOS."

## DELL" OPTIPLEX GXIIO

#### Network-Optimized Managed PC

- Intel® Pentium® III Processor at 667MHz
- # 64MB SDRAM (up to 512MB)
- 7.5GB° SMART II Ultra ATA HD (up to 30GB)
- # 15" (13.8" vis) E550 Monitor (up to Flat Panel)
- Intel® 3D® AGP Graphics
- Integrated 3Com\* 10/100 NIC
- NEW Microsoft® Windows® 2000 Professional
- OptiFrame™ Small Form Factor Tool-less Chassis
- 3-Yr NBD On-site Service<sup>3</sup>

999 @ E-VALUE CODE 05833-390709 BUSINESS LEASE: \$35/MO., 35 MOS."

# DELL" DIMENSION" L

#### Affordable Desktop

- Intel® Pentium® III Processor at 667MHz
- 32MB SDRAM (up to 512MB)
- 7.5GB\* Ultra ATA HD (up to 20GB\*)
- 15" (13.8" vis) E550 Monitor
- Intel® 3D® AGP Graphics; 48X Max CD-ROM
- SB 64V Integrated Sound
- Intel® 10/100 Ethernet Controller
- MS\* Windows\* 98 & MS\* Works Suite 2000 and Norton\* AntiVirus\* 2000
- 3-Yr Ltd. Warranty<sup>2</sup>, 1-Yr NBD On-site Service<sup>1</sup>

\$799 @ E-VALUE CODE 05833-590707 BUSINESS LEASE: \$27/MO., 36 MOS.

# DELL OPTIPLEX GX200

## NEW-Network-Optimized Managed PC

- Intel® Pentium® III Processor at 733MHz
- 128MB RDRAM (up to 512MB)
- 10GB\* SMART II Ultra ATA HD (up to 30GB\*)
- 15" (13.8" vis) E550 Monitor (up to Flat Panel)
- Integrated 8MB 4X AGP Graphics
- 24X Max Slimline CD-ROM
- Integrated 3Com® 10/100 NIC and AC97 Audio
- NEW Microsoft\* Windows\* 2000 Professional
- OptiFrame™ Small Form Factor Tool-less Chassis
- 3-Yr NBD On-site Service<sup>3</sup>

499 @ E-VALUE CODE 05833-390714 BUSINESS LEASE: \$52/MO., 36 MOS.

# DELL DIMENSION XPS T

#### Affordable Desktop Pentium\* III Performance

- Intel® Pentium® III Processor at 700MHz
- 64MB SDRAM (up to 768MB)
- = 20GB\* Ultra ATA HD (up to 40GB\*)
- 17" (16.0" vis) M781 Monitor
- 16MB ATI Graphics Card; 48X Max CD-ROM
- SoundBlaster 64V Sound Card and harman/kardon Speakers
- 3Com\* 3C905C-TXM 10/100 NIC
- MS\* Windows\* 98 & Office 2000 Small Business

■ 100MB Zip Drive, add \$79

■ 3-Yr Ltd, Warranty<sup>1</sup>; 1-Yr NBD On-site Service<sup>1</sup>

\$1299 @ E-VALUE CODE 05833-590712b BUSINESS LEASE: \$44/MO., 36 MOS.

# DELL" PRECISION" 220

#### Advanced Performance Workstation

- Intel® Pentium® III Processor at 733MHz (up to 933MHz)
- Dual Processor/RAID Capable
- = 64MB RDRAM (up to 512MB)
- 10.2GB1 7200 RPM EIDE HD (up to 36GB3 10K U160/M SCSI)
- 17" (16.0" vis) M781 Monitor
- 32MB 4X AGP Matrox G400 Max Graphics Card
- Integrated NIC & Sound; 48X Max CD-ROM ■ NEW Microsoft® Windows® 2000 Professional
- 3-Yr NBD On-site Service<sup>3</sup>
- 7x24 Dedicated Workstation Phone Tech Support

899 @ E-VALUE CODE 05833-490718 BUSINESS LEASE: \$67/MO., 36 MOS.



Dell recommends Windows 2000 Professional for business.

Phone Hours: M-F 7a-9p = Sat 10a-6p = Sun 12p-5p CT = In Canada, call 800-232-6306 In Mexico, call 001-877-269-3379 # GSA Contract #GS-35F-4076D

Prices, specifications, and availability may change without notice. Taxes and shipping charges extra, and vary. Cannot be combined with other offers or discounts. U.S. only. For a conv of our Guarantees or Limited Warranties, Write Dell USA L.P., Attn: Warrenties, One Dell Way, Round Rock, Texas 78882 'Service may be provided by third party. Availability varies. Technician will be dispatched, if necessary, following phone-based troubleshooting. For hard drives, GB means 1 hillion bytes; accessible capacity varies with operating environment, 'Download speeds limited to 53Khps. Uplined speeds are less (about 30Khps) and vary by modern manufacturer and online conditions. Analog phone line and compatible server required. Business leasing arranged by Dell Financial Services L.P., an independent entity, to qualified customers. Lease paymentsbased on 36-month 16% surchase option lease and do not include taxes, lees and shipping charges. Subject to credit approval and availability. Lease terms and pricing subject to change without notice. "CompleteCare service excludes theft, loss, and damage due to fire or intentional damage. CompleteCare is currently not available in all states. Intel. the Intel Inside logo, and Perrium are registered trademarks and Intel SpeedStep, Pentium III Xeon, and Celeron are trademarks of intel Corporation, MS, Microsoft, BackOffice, IntelliMouse, Windows NT, and Windows are registered trademarks of Microsoft Corporation. 3Com is a registered trademark and Fast EtherLink is a trademark of 3Com Corporation HP and DeskJet are registered trademarks and OpenView is a trademark of Hewlett-Packard Corporation. Trinitron is a registered trademark of Sony Corporation. @2000 Dell Computer Corporation. All rights reserved.



USE THE POWER OF THE E-VALUE CODE. Match our latest technology with our latest prices. Enter the E-VALUE code online or give it to your sales rep over the phone. www.dell.com/eyalue



GET EXACTLY WHAT YOUR BUSINESS IS LOOKING FOR.

800.568.6235

WWW.DELL.COM

out LCD screen that can be swiveled and

rotated 180 degrees. The best models also

# DIGITAL CAMCORDERS

These camcorders generally ship with good-quality 10x or higher zoom lenses. Most also provide electronic zoom functions that can add as much

as another 300x of magnification, as well as imagestabilization features that help steady the picture at high zoom levels. Audio is another strength-these cameras include built-in stereo microphones that record CDquality digital audio, and

Canon Optura Pi offer overdubbing capabilities for mixing four-channel sound tracks. Virtually all Mini DV camcorders pro-

do double-duty as digital still cameras. Most store photographs on a tiny memory card and transfer images to your PC through a serial interface. However, photo resolution is usually well below 1 megapixelfar less than that of today's popular

image quality is good enough for Web applications and family snapshots

2- and 3-megapixel digital

still cameras-though the

Despite all these strengths, Mini DV camcorders aren't perfect. Their light weight and small size make them convenient for wedding photography, home movies, Web videos, and some documentary work. But they don't offer the optics,

# How We Tested

ur primary criteria for evaluating the camcorders in this roundup were output quality, ease of use, and functionality. We recorded video and still images under a variety of lighting conditions (including rapidly changing settings designed to confound auto-focus and auto-exposure functions), and shot scenes with hard-to-resolve color combinations. We then used each unit's analog and IEEE 1394 interface to download the results for evaluation to both legacy video equipment and to a pair of computers running Windows 98.

The desktop testbed system was a micronpc.com ClientPro equipped with a 450MHz Pentium II, 64MB of SDRAM, and an Adaptec HotConnect 8920 IEEE 1394 interface. The notebook was a Sony VAIO PCG-XG19 with a 650MHz Pentium III, 128MB of SDRAM, and an integrated IEEE 1394 port. ▼

> electronics, or overall ruggedness required for more challenging commercial video making. And despite their ultraclean digital-audio circuitry, most require an external microphone to record audio that's free of internal camera noise.

> Mini DV camcorders provide built-in editing features such as animated scene transitions, special effects, titling, and audio/video dubbing. But their tiny tape-transport mechanisms aren't designed to endure the rigors of extensive in-camera editing. In most cases, you would be better off downloading raw footage to a computer where you can edit it with video-editing software such as Adobe Premiere or Ulead's MediaStudio Pro.

# < FEATURE COMPARISON >

vide both a color viewfinder and a swing-

For the complete version of this table, go to cgi.zdnet.com/slink?36933.	Canon Optura Pi	JVC Digital DualCam GR-DVL9800U	Panasonic PV-DV800 Digital Palmcorder	Sony DCR-PC100
MFR. EST. PRICE	\$1,699	\$1,999	\$1.399	\$1,999
FEATURES				
Video Format	Mini DV	Mini DV	Mini DV	Mini DV
CCD Resolution (Pixels)	360,000	680,000	460,000	690,000
Sensitivity (Lux)	2.5	<1	5	7
Infrared Night Mode	No	No	Yes	Yes
Image Stabilization	Optical	Digital	Digital	Digital
Number of Effects and Transitions	9	29	10	14
Progressive Scan Recording	Yes	Yes	No	Yes
Still Image Storage Media	Tape	MultiMediaCard, tape	MultiMediaCard	Memory Stick
Still Image Maximum Resolution	720x480	1,024x768	640x480	1,152x864
LCD Size (Diagonal, Inches)	3.5	3.5	3.5	2.5
Dimensions (HWD, Inches)	2.6x3.4x5.9	2.7x3.8x5.5	4.3x3.4x7.5	5x2.5x4.9
Weight (Pounds)	1.43	1.37	1.48	1.19
LENS				
Focal Length (mm)	4.1 to 49.2	5 10 50	3.9 to 70.2	4.2 to 42
Optical Zoom Range	1x to 12x	0.7x to 10x	1x to 18x	1x to 10x
Maximum Digital Zoom	48x	200x	300x	120x
Minimum Focusing Distance (mm)	10	50	3.9	4.2
INTERFACES				716
Video Input and Output Connectors	S-Video, IEEE 1394, Mini AV	S-Video, IEEE 1394, Mini AV	S-Video, IEEE 1394, Mini AV	S-Video, IEEE 1394, Mini AV, IrDA
Audio Input and Output Connectors	IEEE 1394, Mini AV	IEEE 1394, Mini AV	IEEE 1394, Mini AV	IEEE 1394, Mini AV
Control Interfaces	IEEE 1394, LANC	IEEE 1394, JLIP	IEEE 1394	IEEE 1394, LANC
Still Image Data Port	None	Serial	Serial	Serial
External Accessory Mount	Yes	None	Yes (flash only)	Yes
INCLUDED ACCESSORIES				
Wireless Remote	Yes	Yes	Optional (\$29.95)	Yes
Battery	Lithium-ion	Lithium-ion	Lithium-ion	Lithium-ion
Included Software	None	JVC MultiMedia Navigator, Mr. Photo	Adobe PhotoDeluxe 3.0 Home Edition, Panasonic PhotoVuLink	PictureGear Life 3.2
Included Media	None	4MB MultiMediaCard	30-minute Mini DV tape, 8MB MultiMediaCard	4MB Memory Stick
SERVICE AND SUPPORT Standard Warranty	One year parts and labor	One year parts, 90 days labor	One year parts, 90 days labor	One year parts, 90 days labor
Toll-Free Telephone Support	Yes	Yes	Yes	Yes
Live Tech-Support Hours (ET)	9 a.m. to 8 p.m. M-F	9 a.m. to 8 p.m. M-F	9 a.m. to 9 p.m. daily	24 hours daily
Online Tech Support	Web	E-mail, Web	Web	Web

# CANON OPTURA PI \*\*

PROS: Optical image stabilization CONS: Disappointing ergonomic design; stores still photos on tape rather than a memory card

anon's Optura Pi is a moderately priced camcorder with a competitive selection of features. It wasn't the easiest to

# DIGITAL CAMCORDERS



Don't be fooled by the **Sony DCR-PC100's** seemingly high \$1,999 price. This Mini DV camcorder gives you your money's worth with its small, lightweight body, high-quality optics, ease of use, and excellent-looking video output.

#### NOTEWORTHY

Although the Panasonic PV-DV800 lacks a few of the features found in the other Mini DV carncorders we looked at, its \$1,399 price can't be beat.

use of the roundup, but it has unique selling points, such as high-quality optical image stabilization and wireless VCR dubbing controls.

Our biggest complaint about the Optura Pi is its design. We found it tricky to operate, and toggling its difficult-to-move power switch between record and playback modes actually bruised our thumbs. We also found the placement of the camera's tape-transport controls inside its swing-out LCD panel less than ideal. Because the viewfinder automatically turns off when you open the LCD panel, you can view only the LCD when using the controls—a serious constraint if you're working in bright sunlight or trying to conserve the battery.

Nevertheless, the \$1,699-estimated camcorder produced better-than-average video quality. Color saturation was excellent, and iris and auto focusing were noticeably responsive; however, the image detail was merely acceptable, apparently due to the Optura Pi's lower-resolution CCD. The Optura Pi offers the only optical imagestabilization system in this roundup, thanks to Canon's innovative Lens Shift Prism technology. Another cool feature is the camcorder's ability to remotely control VCRs when sending analog video over a

wired connection. A healthy selection of manual and automatic exposure, shutter-speed, focus, and white-balance controls is provided

as well.

In other ways, the Optura
Pi is more limited. It's the
only unit we tested that doesn't use a
memory card to store still photos. Rather,
it saves still images on the Mini DV tape,
which limits photos to a 720x480 resolu-

tion and makes it difficult to quickly locate desired images. The Optura Pi offers only a basic selection of transitions and effects, and a lim-

ited 48x digital zoom. Furthermore, it was
the only camcorder in the roundup to
refuse to work with the Adaptec
HotConnect 8920 card in our
desktop testbed, although it
worked fine with our Sony
VAIO PCG-XG19 notebook's integrated IEEE
1394 connection.

The Canon Optura Pi produces good-looking video and performs most of the functions you'd expect from a midpriced camcorder. But its compromised ergonomics and still-photography features might make some users yearn for a friendlier design.

# JVC DIGITAL DUALCAM GR-DVL9800U \*\*\*

PROS: Rich feature set, superior output quality
CONS: Some features are too complicated; poor low-light
performance

Ithough JVC's Digital DualCam GR-DVL9800U is in a dead heat with the Sony DCR-PC100 as the most

expensive camcorder in our roundup, it also proves the maxim that you get what you pay for. This \$1,999estimated unit produces superior output, boasts a huge feature set, and ships with a generous bundle of video- and image-editing software.

> Among the camcorder's most notable features are a whopping 29 digital effects and transitions, the ability to record 1,024x768

still images, a flexible selection of whitebalance settings, a pop-up internal flash, and a panorama mode that mimics the function of a 0.7x wide-angle lens. Other

# FACTS ABOUT

The IEEE 1394 interface began as
FireWire, Apple's mid-'90s replacement for its aging ADB bus. FireWire
looked so promising that the Institute of
Electrical and Electronics Engineers (IEEE)
selected it as a new communications standard and in 1995 renamed it the IEEE
1394 Standard for a High Performance
Serial Bus. Today, IEEE 1394 interfaces
are increasingly common in digital cam-

corders, external hard drive controllers, and other devices that require a faster connection than is possible

nection than is pos with USB.

IEEE 1394 is hotpluggable and permits
63 devices to be daisychained to a single port.
It also includes remotecontrol capabilities that
enable you to operate an
IEEE 1394-compliant camcorder from an attached PC. In its

current incarnation, the IEEE 1394 standard supports transmission rates up to 400Mbps over a 4.5-meter cable. However, Mini DV camcorders are typically limited to about 100Mbps—more than enough to handle the 36Mbps bandwidth of a DV stream. Future versions of IEEE 1394 are expected to push the maximum bandwidth to a jaw-dropping 1.2Gbps.

Although most new Macs are equipped with IEEE 1394 ports, few PCs have this luxury, Installing an add-on interface board can be relatively expensive and time-consuming. 
Another problem is that not all IEEE 1394 boards work with every camcorder. The Canon Optura Pi camcorder in our roundup, for example, refused to communicate with the Adaptec board in our desktop testbed, although it had no problems functioning with our Sony VAIO notebook. Before purchasing an interface card, be sure to check whether it's been certified for use with your camcorder.

Exploiting the full capabilities of your brand-new Mini DV camcorder means equipping your PC with a state-of-the-art IEEE 1394 interface. But if you're willing to settle just for great-looking video and don't mind losing some of the camcorder's functionality, consider using a conventional video-capture board, such as the Matrox Marvel or ATI All-in-Wonder, to download analog video onto your machine.

time. The GR-DVL9800U led the pack in overall output quality by a small margin, offering excellent saturation, color accuracy, contrast, and

detail. Its electronic image-stabilization was mediocre, however, and the camera fared poorly in our low-light testssurprising for a camcorder with a published light-sensitivity specification of less than I lux.

Panasonic PV-DV800

Digital Palmcorder

A highlight of the GR-DVL9800U is its well-designed controls. Every button and dial falls easily under your fingertips. The switches, buttons, and thumbwheels all respond smartly, and the tape-transport controls are easily visible in the back of

the camera. But some users may get confused when sorting through the camera's needlessly complex plethora of videoand still-image modes.

None of the JVC's idiosyncrasies means curtains for this camcorder, though they do detract somewhat from its appeal. The GR-DVL9800U is an excellent camera

that will do the job in all but the most demanding

PANASONIC PV-DV800 DIGITAL PALMCORDER \*\*

PROS: Low price; generous bundle; easy to use Video quality not quite as good as competition; low-resolution still images; remote not included

t \$1,399 estimated, Panasonic's PV-DV800 Digital Palmcorder is one of In the most affordable Mini DV camcorders on the market. Despite its bargain price, the PV-DV800 doesn't skimp on features. Its excellent usability, strong feature set, and robust bundle of accessories all

situations.

combine to make it an affordable, solid camera.

In addition to its high-powered 18x

Here are some handy tips to bear in mind when shopping for a Mini DV camcorder:

Lens: If you can live with the extra bulk and weight, you'll almost always be better off with a larger lens. A larger lens typically has a wide focal-length range, letting you choose from the widest wide angles to the most distant telephoto shots. A wider barrel implies greater light-gathering capacity, thus offering lower f-stop settings.

Charge-Coupled Device (CCD): CCDs are the light-sensitive chips that capture images passing through a camcorder's lens. CCDs with a higher number of pixels provide sharper detail and are more sensitive under low light. Some CCDs also support a progressive-scan recording mode that can shoot 30 still images per second, in addition to the normal 60 interlaced half-frames that comprise normal NTSC video. Progressivescan video doesn't play back as smoothly, but it lets you capture high-quality still images from your video clips.

Image stabilization: Stabilization features help steady the image when you zoom into an extreme telephoto setting. Optical stabilization technologies are better than electronic ones, because an optical approach uses actual mechanical image-steadying components within the lens.

Exposure and metering controls: A camera that offers full manual control over exposure and white-balance settings-as well as a good selection of automatic presets for outdoor, incandescent, and fluorescent lighting-gives you more control over how the image will look. Better models also offer one-click controls that automatically adjust the camera for special situations such as backlighting and low light.

Bundle: Every camcorder should come with an army of accessories: cables, batteries, a handheld remote, an AC adapter, a blank media card, and a manual. You're unlikely to find an expensive IEEE 1394 cable in the box, but S-Video and composite cables should be included. Some models also package luxuries such as floodlights, a blank tape, and photo-editing software.

learly, the leading motivation to buy a Mini DV camcorder is the ability to record in Digital Video (DV) format. DV is a high-quality video standard that's also used in professional DVCPRO and DVCAM cameras. The most significant difference between these formats is how they store DV data on tape. Quarter-inch Mini DV tapes are slightly more prone to dropouts and audiosynchronization problems than the more robust cartridges specified by professional DV formats. But Mini DV cassettes store exactly the same data as their high-end cousins, and their compact form factor makes it possible to design amazingly small recording devices.

A more significant difference among the various types of DV camcorders is the quality of their components. DVCPRO and DVCAM

units, for example, are more ruggedly built and often incorporate sophisticated lenses with five-figure prices. Mini DV camcorders fall in the middle and typically cost from \$1,200 to \$4,000.

DV's high resolution (about twice that of VHS and 25 percent better than Hi8 or S-VHS) results in sharper, bettersaturated recordings than those

shot in analog formats. Copying a DV file produces near-perfect results that are unaffected by dirty heads, flaking emulsion, tape stretching, color smear, or any of the other factors that typically compromise analog video.

The downside of DV is its storage requirements. which can exceed 250MB per minute. If you plan to use a computer to edit DV, don't consider a

system with less than 128MB of RAM and a 16GB hard drive. This is a small price to pay, however, for output that only a seasoned professional can distinguish from commercially shot footage. V

# DIGITAL CAMCORDERS

optical and 300x electronic zoom capabilities, the PV-DV800 ships with a snap-on floodlight, an extended-life battery pack, a copy of Adobe's PhotoDeluxe imageediting software, a blank 30-minute Mini DV tape, and an 8MB MultiMediaCard for storing still images.

The PV-DV800's electronic image stabilization is excellent, but the camera produces slightly lower contrast and color saturation than the other models we looked at. However, like every Mini DV camcorder we tested, the PV-DV800 produced remarkably accurate colors.

The Panasonic's tape-transport mecha-

nism delivered the highest rewind and fast-

forward speeds in the roundup, and its 3.5-inch LCD panel is one of the brightest we've seen on a midpriced camcorder. This camcorder's outstanding infrared mode lets you shoot sharp black-andwhite footage in complete darkness, and proprietary stabilization technology steadies the image during both recording and playback. We were particularly impressed with the PV-DV800's elegantly designed controls-nearly all of the buttons, switches, and dials are easy to reach during normal

operation.

Given its low cost, it's not surprising that the PV-DV800 demands a few compromises. It shoots still images at a mere 640x480 resolution, and it doesn't include a wireless remote (though one is available as a \$29.95 option). The Panasonic is also the largest unit we tested, but this didn't detract from its ease of use.

The Panasonic PV-DV800 Digital Palmcorder isn't the most sophisticated Mini DV camcorder, and its output quality is a hair below that of the competition. Still, it provides a decent selection of features and accessories at a price closer to that of an analog Hi8 model. Overall, it's an excellent choice if you're on a budget.

### SONY DCR-PC100 ★★★★

PROS: Easy to use; small and lightweight; solid feature set; great-looking video and still output

CONS: Limited 10x optical zoom; only one playback speed

Best

While the Sony DCR-PC100's \$1,999-estimated price places it at the high end of the market, this

camcorder gives you a lot for the money. In addition to producing crisp, detailed video, it offers superb optics, a healthy selection of advanced features, and superior ease of use.

Only 2.5 inches thick and weighing 1.19 pounds, the DCR-PC100 is the tiniest camcorder included here, easily fitting into a coat pocket or handbag. But unlike other small form-factor models, we had no trouble keeping this solidly built unit steady in our hands.

Moreover, we found its intuitive layout and top-quality controls a pleasure to use. Its high-speed tape transport is controlled

by a unique illuminated touch pad that becomes visible only when you switch the camcorder to VTR mode. The DCR-PC100 also offers an extremely responsive variable-speed zoom control.

Video quality is sharp, well-saturated, and highly detailed, thanks in part to the

ZDNet Price It!	code
Canon Optura Pi	33709
JVC Digital DualCam GR-DVL9800U	33710
Panasonic PV-DV800 Digital Palmcorder	33711
Sony DCR-PC100	33712
For real-time pricing, go to pricell zdnet.com and enti	er number.

Sony's outstanding Zeiss optics and highresolution 690,000-pixel CCD. When shooting test footage, our sole complaint was a relatively slow aperture, which compromised the camera's ability to react quickly to rapidly changing light conditions.

The DCR-PC100 is packed with features, including an infrared nighttime shooting mode; the ability to record high-resolution 1,152x864 still images; a modest but well-chosen assortment of digital effects and animated scene transitions; and a flexible selection of manual and automatic exposure, focus, and shutter-speed settings. Its still-image and video features are especially well-integrated, and you can even overlay still photographs on top of stored video.

On the downside, the camcorder's optical zoom is limited to 10x magnification, and it lacks both fast- and slow-motion playback modes. But these are relatively minor complaints compared to the camera's many strengths.

As long as you can justify spending the extra money, the Sony DCR-PC100 offers ease of use, tremendous flexibility, a smart ergonomic design, and terrific-looking video and still images—all in a compact, lightweight unit.

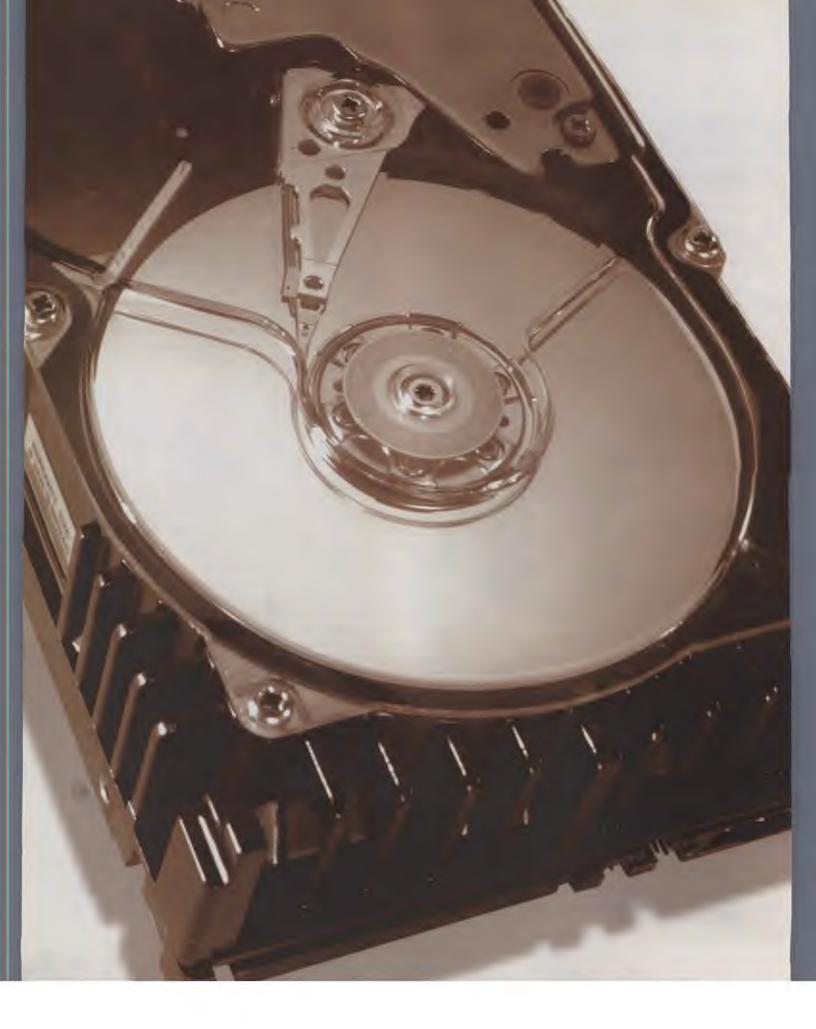
### THE FINAL CUT

Il the camcorders in this roundup produce great-looking output and offer a a good selection of advanced features. The Canon Optura Pi is solidly built and has some truly cool features, but we found it a bit cumbersome to use. The JVC Digital DualCam GR-DVL9800U boasts terrific functionality, tempered by some minor ease-of-use issues, mediocre lowlight performance, and a high price. The Panasonic PV-DV800 Digital Palmcorder offers unique features and good usability at a low price, but its video- and still-image quality is a notch below that of the competition. And Sony's DCR-PC100 offers greatlooking output, solid construction, and tionality for users comfortable

with the camera's high price and handful of limiting features.

The bottom line: None of these camcorders is perfect, but at least one of them should offer the right balance of features and functionality for your needs.

< PRODUCT	SUMMARY>			rich fun
RATED 1 TO 5 STARS	***	****	***	***
PRODUCT	Canon Optura Pi	JVC Digital DualCam GR-DVL9800U	Panasonic PV-DV800 Digital Palmcorder	Sony DCR-PC100
COMPANY	Canon U.S.A. Lake Success, NY 800-828-4040 www.usa.canon.com	JVC Co. of America Wayne, NJ 800-252-5722 www.jvc.com	Panasonic Consumer Electronics Secaucus, NJ 800-211-7262 www.panasonic.com/video	Sony Electronics Park Ridge, NJ 800-222-7669 www.sony.com
MFR. EST. PRICE	\$1,699	\$1,999	\$1,399	\$1,999



SHOPPER'S GUIDE

Today's high-volume, high-performance hard drives may be the most cost-effective upgrade you can make.

M. DAVID STORE

ews flash: For the first time ever, you can easily buy a hard drive that's large enough to keep space shortages at bay for the entire life of the drive. Of course, that's assuming you're using it for typical computing fare, not to store full-length movies. Today's drives sell for affordable prices and deliver capacities that are not just large, but overwhelming. With 10GB drives dipping below \$100 and 40GB drives starting at about \$230, anyone who buys now will shell out less than six-tenths of a cent per megabyte.

When prices per megabyte were higher, capacity was often the primary factor in picking a drive. With those days behind us,

performance moves to the forefront. Purchase a drive that delivers good performance, and you'll improve the speed at which your PC loads programs and files, locates records in a database, finds alternatives for misspelled words, and so on. And given that today's low-end CPUs and typical RAM amounts are more than adequate for most tasks, getting a faster hard drive is arguably the most cost-effective way to improve your system's overall

The bottom line for hard drive upgraders: You can now afford to trade away some capacity in favor of performance. Here's what you need to know to do that effectively.

### PICKING A PERFORMER

wo things are primarily responsible for a drive's performance: how quickly the drive head can get to the data on the disk (the access time) and how quickly it can transfer the data once it gets there (the transfer rate). Both factors are important, but one may be more important than the other, depending on your needs. If you do a lot of work with database programs, put some dollars behind

Performance Profiling Matching Your Drive to Your Nee

access time

If you frequently...

Pay special attention to...

Work in databases

Access time Load multimegabyte files Sustained transfer rates

because it's more important for finding lots of information scattered over the disk. If you rarely use databases but often load mul-

timegabyte image files, look for a speedy transfer rate, because it's more important when loading large files.

Access time consists of seek time, the amount of time it takes for the drive head to reach the right track for the data, and latency, the time it takes for the disk to rotate far enough to get the right data under the head.

It's usually easy to find the average seek time for a drive, although it's sometimes listed incorrectly in ads as average access time. You can calculate the average latency from the rotation rate. (Divide 60 seconds by the rotation rate to get the time per rotation, then divide by 2 to get the average time for reaching any given spot on the track.) When comparing drives, however, it's often enough to know that two drives with the same rotation

rate have the same latency, so any difference between them is based on their seek time.

As a rule of thumb, today's desktopbound drives typically offer seek times of 8ms to 9.5ms. Drives for network servers typically offer times of 5ms to 8ms and cost substantially more for any given capacity. Lower numbers are better.

### THE TAKE ON TRANSFER RATES

ransfer rate is a more complicated subject. To begin with, you'll see two kinds of transfer rates: burst and sustained.

The burst transfer rate tells you how fast

# SHOPPER'S GUIDE TO HARD DRIVES

data can move between the drive and the computer. It's entirely dependent on the drive interface, is identical for all drives with the same interface, and has only a minor effect on drive performance.

The sustained transfer rate, also called the internal transfer rate, tells you how fast data can move between the drive head and the disk. This is always less than the drive's burst transfer rate, varies from drive to drive. and for most purposes is the single most important measure of drive performance.

The transfer rate you'll most often see quoted is the burst rate. The burst rate is actually the rate of the drive interface, however, and merely tells you what the interface can handle. A faster burst rate will offer a

Whopping capacities are the norm today with internal IDE models such as the 40GB Maxtor DiamondMax Plus 40 (right) and the truly immense 75GB IBM Deskstar 75GXP (left).

minor boost in overall performance, but a drive can operate at its burst rate in only limited circumstances-when writing less data to the drive than will fit in its memory buffer, for example. As soon as the drive has to go to a disk platter to read or write, it's limited to the sustained transfer rate.

The sustained rate depends on how much data moves under the drive head in a given slice of time. That, in turn, depends on both rotation rate and how much data is in each track. Faster rotation means a drive reads a full track in less time. More data per track means it can read more data with

This interaction between rotation rate and the amount of data per track means you can't compare performance between drives simply by comparing rotation rates. As a rule of thumb, a 7,200-rpm drive is likely to offer better performance than a 5,400-rpm drive, and a 10,000-rpm drive is likely to offer better performance than a 7,200-rpm drive, but drives with the same rotation rate can have very different sustained transfer rates. Keep that in mind when you're comparing models. What matters is the sustained transfer rate, not the

Note, too, that because the outer tracks on a disk are bigger than the inner tracks, they hold more data, and therefore often offer roughly twice the transfer rate of the inner tracks. That's why most vendors give both minimum and maximum sustained

> transfer rates. Some give only the maximum, however, typically saying the drive will perform "up to" that rate. Don't misinterpret the lack of a minimum in the specifications to mean that the drive performs at its maximum over the entire disk.

If you're interested in multimedia applications like video editing, you should look into so-called "AV" (audio/video) hard drives, such as Quantum Corp.'s Atlas IV AV Ready Disk Drive. Any current drive model offers a high enough throughput for video, but standard disks perform housekeeping chores, such as recalibration, that can interrupt the flow of data. AV drives have features that elimi-

nate even brief interruptions. However, these drives are of little interest for anything short of professional-level video editing.

### INTERFACE INS AND DUTS

ny assessment of drive performance must factor in the drive's interface. Internal drives for desktops come in two basic flavors, IDE and SCSI, with IDE drives also known as EIDE or ATA drives. (For a discussion of external drives, see the sidebar "Outside the Box: External Drives.")

Contrary to widely held belief, SCSI drives don't necessarily offer better performance than IDE drives. Most manufacturers offer

their best-performing drives only with a SCSI interface, but the extra performance doesn't have anything to do with the interface itself.

The SCSI interface offers faster performance on a network server, because it's designed to handle simultaneous data requests from multiple users and process them in the order that minimizes head movement and drive rotation. On a single-user system, however, this overhead actually works against performance, so an IDE interface has a small advantage on a single-user system. Even so, a fast SCSI drive will still be faster than a slow IDE drive.

Performance aside, SCSI does offer one clear advantage over IDE, even on a single-user system. Depending on the SCSI controller you're using, you can put up to either seven or 15 drives on one controller. You can also use multiple controllers in one machine. IDE, in contrast, allows a

maximum of four drives. If you already

SHOPPER'S GUIDE TO HARD DRIVES



The Ultra160 Seagate Cheetah 18XL (right) has a midrange capacity for a SCSI drive at 1868; the 366B Quantum Atlas 10K II (left), available in several SCSI flavors, is a high-capacity SCSI drive at 36GB. Both spin at 10,000 rpm.

have an IDE hard drive, CD-ROM, CD-RW, and Zip drive in your system, you're

filled to capacity.

The key advantage of IDE over SCSI is price. SCSI drives generally cost more, partly because they tend to be highperformance drives, and partly because of the SCSI interface itself. At this writing, for

example, an 18GB SCSI drive costs about the same as a 40GB IDE drive. In addition, if you don't already have a SCSI interface in your system, you'll have to buy a SCSI card, at anywhere from \$35 to \$550 depending on the level of SCSI interface. For single-user systems, then, it's generally a good idea to stick with IDE unless you need more than four drives or you need a level of performance unavailable with IDE.

Once you decide between SCSI and IDE, be aware that each interface has variations. These variations exist because every time drives improve to the point where the sustained transfer rate is in danger of catching up with the burst transfer

rate, the industry adopts a newer, faster version of both interfaces to accommodate the faster drives.

The fastest IDE interface available at this writing is usually referred to as ATA/66, Ultra DMA/66, or Ultra ATA/66. It offers a

otebook hard drives use the same technology as desktop hard drives, but the upgrade issues are quite different. Notebooks, unlike desktop systems, are limited to whatever drives the individual model is designed to accept. That almost always means a 2.5-inch IDE drive, and of those, only

specific models might work in a given notebook because of BIOS issues or even the placement of holes for screws.

Fortunately, you can usually get around BIOS issues with software utilities such as Ontrack Disk Manager, and you can buy systemspecific disk caddies for about \$50 that let you mount drives that won't otherwise fit. Just be sure you know what you need when you buy the drive, and get everything you require at once. The drive vendor or the maker of your notebook should be able to help you with the details pertaining to your system.

Be aware, too, that you need to judge performance in a different context for notebook drives. The

2.5-inch drives have smaller tracks than 3.5-inch drives do and typical rotation rates of 4,000 rpm and 4,200 rpm, with 4,900 rpm and 5,400 rpm considered speedy. As with desktop drives, the number that matters is the sustained transfer rate, but most notebook drives have far slower sustained transfer



If your portable has a USB port, an external drive such as DataZone's DataBook USB (in 6GB, 12GB, 18GB, or 25GB versions) is a colorful option.

rates than their desktop counterparts.

The smaller disk surface also translates to lesser capacity. At this writing, the highestcapacity notebook drives hold about 30GB. And for any given capacity, you'll spend a lot more for a notebook drive. At this writing, 10GB drives cost more than \$250, and 25GB drives more than \$500.

Another issue is that your notebook might not have room for a second drive. This makes an upgrade even more expensive, because you have to replace the capacity you already have rather than simply add to it. It can also make the upgrade more complicated, because you'll have to move files from the old drive to the new one but can't have both working at once.

The obvious way around this problem is to add an external drive, although that means carrying an extra piece of equipment. If you choose to go this route, you'll find that the considerations for notebook external drives are essentially the same as for desktop externals. With notebooks, however, you have the PC Card interface as another connectivity option, and you'll want to look for drives designed specifically for travel-with low weights and special mountings for protection against shocks and vibration. V

66.6MB/sec transfer rate. By the time you read this, the next-generation IDE interface, ATA/100, should have been announced. It will offer a 100MB/sec transfer rate. The fastest SCSI interface is Ultra160 SCSI, which offers 160MB/sec. Either is sufficient for today's fastest drives.

Typically, you don't have to worry

Interface Suitability Super-Simplified	IDE	scsi		
Performance on a desktop PC	+			
Performance on a server		+		
Support for seven or more drives		+		
Support for four or fewer drives	+	+		
Affordability	+			

about the drive's level of IDE or SCSI; vendors can be trusted to put an appropriate interface on the drive. But if you want to take full advantage of the drive's speed. you may have to upgrade your computer with a new adapter card. As a general rule for both types of interface, each new generation incorporates the earlier versions, so you can connect a drive with a latergeneration interface to an older interface in your system, and it will work. However, the older interface will limit the drive to the interface's older, slower speed.

# SHOPPER'S GUIDE TO HARD DRIVES

### FINISHING TOUCHES

roday, you can find drives boasting 75GB capacities, notably IBM Corp.'s Deskstar 75GXP. This size is far larger than some system BIOSs can handle. In fact, even lesser capacities may outrun your BIOS. If your system is just three or four years old, it may have trouble dealing with drives housing 10GB or even less.

Most vendors deal with this issue by providing utilities such as Ontrack Disk Manager, which lets you install the drive on virtually any system. Check with the vendor you buy the drive from or check on the manufacturer's Web site to see that the drive comes with the necessary utility. Also confirm that the utility will work with your system.

Don't forget to investigate the basics as well. Make sure you have an available drive bay in your system. And if you're adding a drive alongside one that's already there, make sure the drive cable in your system has an available connector.

As with any purchase, check service, support, shipping fees, and return policies before buying. You may need technical support to

get the drive installed. Find out whether you'll need to go to the drive vendor or drive manufacturer if you need help, and whether there's a toll-free support line. Note, too, that the most likely time for a drive to fail is in its first few weeks. Find out who pays the shipping costs if it fails. And don't forget the warranty. The most common warranty length for desktop (as opposed to notebook) drives is three years, but warranties range from one to five years.

Your goal is simple: Get no more capacity than you need, with the best performance you can get while still staying within your budget. Apply this formula, and you should bring home a drive you'll be happy with over its entire lifetime. V

### **Useful Utilities** 3 ESSENTIAL ZDNET DOWNLOADS Backup Plus Back up crucial files and data. Defrag hard drives for better performance. Sum up your system performance. DOWNLOAD THEM NOW FROM www.zdnet.com/downloads

nternal drives are far and away the most common choice for hard drive upgrades, primarily because they are less expensive than externals. But when you need to shuttle a drive between systems or you're out of vacant bays, nothing satisfies like an external drive.

Most of the considerations are the same for external units as for internal models. The primary difference is the number of interface choices. With internal drives, you basically have two, IDE and SCSI, with IDE being the more popular. With external drives, you have three additional choices: parallel port, USB, and IEEE 1394 (also known as FireWire). SCSI is currently the most popular interface for external drives.

External SCSI drives perform as well as internal ones, and they're easy to install, because virtually every SCSI card includes an external connector. However, the reason SCSI is the external interface of choice is that the alternatives are limited.

Until recently, the only other options were drives only if there's no alternative. parallel-port and USB drives. These drives can work with any computer that has a parallel port or a USB interface, respectively, but the interfaces are relatively slow and create performance bottlenecks. Opt for one of these



The 36GB 360636 from Fantom Drives (top) has an Ultra Wide SCSI interface; the GSI HotPort (right) adapts an internal IDE drive for external use; and the 29GB Evergreen fireLine (left) is an external FireWire drive.

IDE drives were limited to internal use (or use inside parallel-port drives) until GSI (www.gsi-inc.com) began selling its HotPort IDE HotAdapter and HotPort Drive Enclosure. The HotAdapter (about \$60) gives your PC an exter-

nal IDE port, and the Drive Enclosure (about \$130 with a HotAdapter and cable) lets you turn any IDE drive into an external drive. Alas, GSI is the only company to offer such a product.

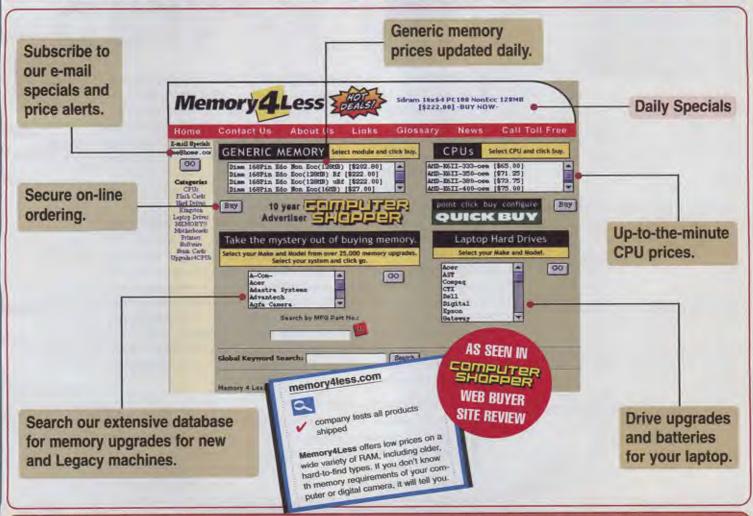
IEEE 1394 is starting to show up on a few external drives, notably the 20GB Evergreen fireLine External HotDrive and the VST Ultra Slim FireWire 6GB Hard Drive, This promising interface has suitably fast throughput and the advantage. compared to SCSI, of letting you plug in the drive while the system's up and running. Of course, you need an IEEE 1394 interface in your computer to use one of these drives. At press time, only a few IEEE 1394 drives were available. However, as IEEE 1394 grows more popular and gains an installed base, it's likely to threaten SCSI's reign. ▼

SECURE ONLINE ORDERING\*WEBSITE UPDATED DAILY\*14 YEARS IN BUSINESS\*GOVERNMENT & EDUCATIONAL PO'S ACCEPTED\*ITEM SHIPPED SAME DAY

Memory4-Less Com/shop 1-800-821-3354

Providing better quality and service on over 30,000 products.

Sales Hours: Mon-Fri 7am-5:30pm PST



### WE CARRY ALL MAJOR BRANDS OF CPU UPGRADES/NOTEBOOK UPGRADES/PRINTER MEMORY/DESKTOP MEMORY/SERVER MEMORY/WORKSTATION MEMORY

DESKTOP I	MEM	ORY		NOTEBOOK	ME	MOR	Y	PRINTER	MEM	DRY		NOTEBOOK H	ARD	DRIV	ES
APPLE	32M	64M	128M	COMPAQ	32M	64M	128M	HEWLETT PACKARD	4M	16M	32M	TOSHIBA		4GB	6GB
G-4 (New)	41	60	115	Presario 1200, 1600, 1700	54	74	139	4000, 5000, 8000		77	99	Satelite 300CDS	179	215	259
iMac	54	74	135	IBM				4P, 5, 5P, 6, 6p		42		COMPAQ			
8500, 9500, Dimms	94	155	283	Thinkpad 600, 700, i1400	54	74	139	PANASONIC				Concerto 425	179	215	259
DELL				TOSHIBA				4410, 4430	84			CTX			
XPS T500, T600, T700	41	60	115	Satelite 410, 420, 610, 720	91							EZBook	179	215	259
Precision Workstation 61	0 41	60	115	Tecra 8000, 500	54	74	139					SHARP			
Workstation 410	75	90	138	Satelite 4000, 4010, 4020	54	74	139					PC8700	179	215	259

offering everything from calendars to calculators. it's destined to become the vehicle by which all

With the Internet

your applications are

delivered

by Xavier W. Niz

magine sitting by the pool enjoying some sun when you suddenly realize you made a huge mistake in the presentation you're giving on Monday morning. You need to make the change, but don't have a copy of the presentation software on your home PC. Fortunately, you used an online application to produce the presentation, so all you have to do is log on to the Internet to access the file and the application you used to create it. Then save your file to the hard drive space set aside for you on the company's server, and go back to getting some rays. Monday morning you just download your new and improved presentation.

This is the promise of the application service provider, or ASP, a new breed of company that hosts, manages, and delivers applications via the Internet. The idea behind ASPs is to reduce, or even eliminate, your reliance on your PC as application storage receptacle. The benefits are many. A browser and a Web connection are all you need to run applications. No more time-consuming and often incomplete installs, uninstalls, and upgrades, and no more error-inducing, system-crashing software conflicts-not to mention the initial and ongoing expense of buying and upgrading software. All this responsibility shifts to the ASP. You just log on and use the application you need when you need it. What's more, most of the online applications available today are free, supported by ads and sales of add-on services.

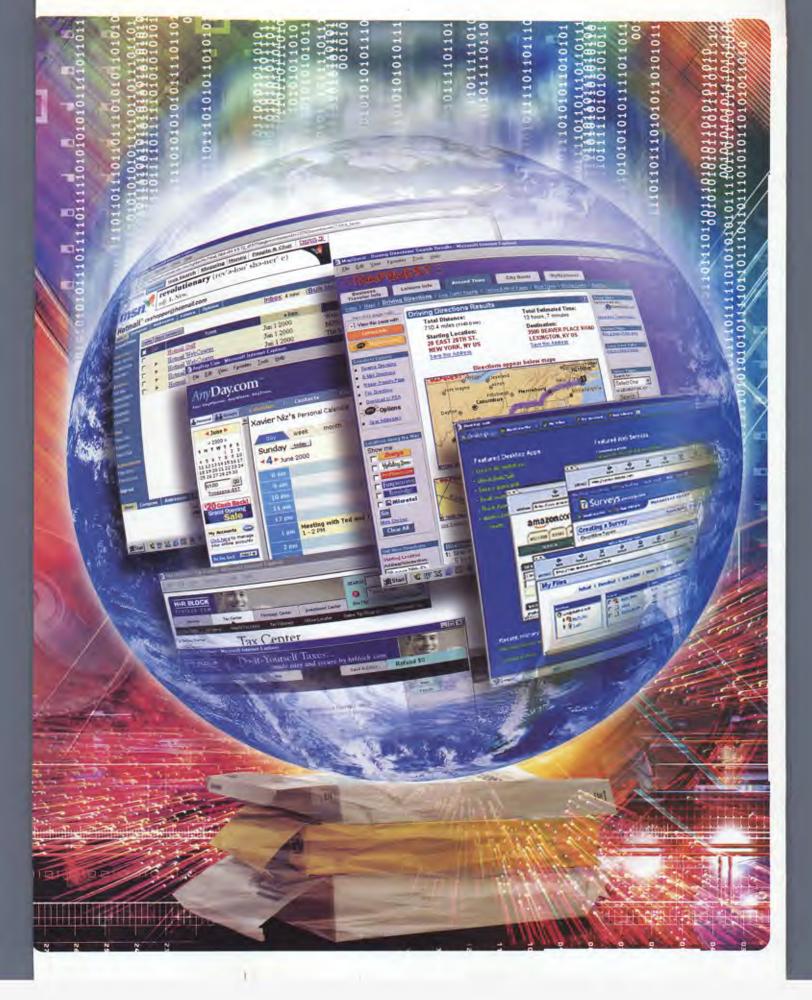
BUSINESS MODEL MAKES SENSE

he ASP concept is nothing new to businesses. It makes good fiscal sense for companies looking to reduce their IT budgets, because upgrades and maintenance are done at the ASP's end.

Many of the business applications offered today are in the client-server family, including enterprise resource-planning apps (Oracle, PeopleSoft, SAP); accounting packages (from Great Plains, Lawson); groupware (Lotus Notes); and sales-force automation (from Seibel). Several companies, such as Corio and USinterworking, are positioning themselves as one-stop shops, offering a grab bag of these types of applications-for-rent from one centrally managed location.

The rent-an-app concept hasn't caught on as quickly with consumers, however, mostly due to the slow adoption of home broadband connections. At 56Kbps, Internet-delivered apps will lag and stall. This type of slothful performance could make the simple act of composing a letter or just jotting down some notes in a word processor a frustrating experience.

(continued on page 188)





### GAMER

### PRESARIO 7000T-800

### \$1899<sup>+</sup>

### As low as \$53 per month<sup>1</sup> QuickAccess Code: 37X718-62362

Intel® Pentium® III Processor, 800 Metz.

128 MB 133 Metz SyncDPAMI expandable to 384 MB 30.0 GB (7200 rpm) UtraDMA Hard Drive®

40X Max CD-ROM Drive®

32 MB DDR mydla GeForce2 GTS Graphics Card Sound Blaster® Livel Value Audio

56K TITU V80 Modem®

Klipsch ProMedia V.2 400 Watt Speaker System

### Personalize by choosing:

8X CD-RW Drive\*; Add \$199 Compag CV935 19" Monitor (18.0" VA); Add \$180

Compaq CV735 17" Monitor (16.0" VIA)

### VIDEO EDITOR

### PRESARIO 7000T-733

### \$1599

### As low as \$45 per month<sup>1</sup> QuickAccess Code: 37X718-62359

Intel Pentium II Processor, 733 MHz 128 MB 133 MHz SyncDRAM expandable to 384 MB 20.0 GB (7200 rpm) UtraDMA Hard Drive:

16X DVD-ROM Drive 16 MB nVidia TNT M64 ProGraphics

Creative Labs 1373 Audio with 256 Voice 56K ITU V.90 Modem

JBL Platinum Speakers with Digital Audio Port 8X CD-RW Drive<sup>1</sup>

Compaq CV735 17" Monitor (16.0" VIA)

### Personalize by choosing:

Intel PC Camera Pro Pack: Add \$129 Agfa Snap Scan USB Scanner: Add \$99



### PHOTO ENTHUSIAST

### PRESARIO 5000T-733

### \$1299

### As low as \$37 per month<sup>1</sup> QuickAccess Code: 37X718-62259

Intel Perflum III Processor, 733 MHz

128 MB 100 MHz SyncDPAM — up to 11 MB Sharest for Vidoo
20.0 GB UttsDMA Hard Drive:

100-ROM Drive:
27 ACP with 61 by Newtons Application 12 Common States.

2X AGP with 64-bit Hardware Accelerated 3D Graphics ESS Allegro Integrated PO Audio

56K ITU V.90 Modern<sup>1</sup>

JBL Platinum Speakers with Digital Audio Port 100 MB Zip<sup>®</sup> Drive Integrated

Compaq CV735 17" Monitor (16.0" VIA)

### Personalize by choosing:

Agfa Snap Scan USB Scanner: Add \$99 Compaq A1000 Multi-Function Printer: Add \$229



### POWER USER

### PRESARIO 1800T-750

### \$2999

### As low as \$84 per month<sup>1</sup> QuickAccess Code: 37X7X1-61346A

Intel Pentium III Processor, 750 MHz, leafuring Intel SpeedStep\*\* Technology 15.0\*\* IFF Active Matrix Display 64 MB SyncDRAM 30.0 GB UltraDMA Hard Drive\* 24X Max CD-HOM Drive\* ATI Michilly Hardware Accelerated 3D Graphics with 8 MB Video Mornory 56K ITUV90 PCI Modem\*

### Integrated 10/100 BaseT Network Port Personalize by choosing:

192 MB SyncDRAM: Add \$300 CD-RW Drive": Add \$250 15" SXGA+ Panel: Add \$150

### TRAILBLAZER

### PRESARIO 1800T-700

### \$2799

### As low as \$78 per month<sup>1</sup>

### QuickAccess Code: 37X7X1-6144XA

Intel Pentium III Processor, 700 MHz, featuring Intel SpeedStep Technology 15:0" TFT Active Matrix Display 96 MB SyncDRAM 12:0 GB UthaDMA Hard Drive' 8X DVD-ROM Drive' ATI Mobility Hardware Accelerated 3D Graphics with 8 MB Video Memory

56K ITU V.90 PCI Moderni Integrated 10/100 BaseT Network Port Microsoft\* Windows\* 2000 Professional

### Personalize by choosing:

18.0 GB UltraDMA Hard Drive\*: Add \$150 128 MB SyncDRAM: Add \$200



### JET SETTER

### PRESARIO 1700T-600

### \$1799<sup>1</sup>

### As low as \$51 per month<sup>1</sup> QuickAccess Code: 37X7X1-61943A

Intel Pentium III Processor, 600 MHz, teaturing Intel SpeedStep Technology 12.1" TFT Active Marrix Display 64 MB SyncDRAM 6.0 GB UhraDMA Hard Drive! 8X DVD-ROM Drive! ATI Mobility Hardware Accelerated 3D Graphics with 8 MB Video Memory 568 TFU V90 PCI Modern! Hi-Capacity Lilion Battery

### Personalize by choosing:

CD-RW Drive" Add \$100 128 MB SynoDRAM: Add \$200 14.1" TFT Active Matrix Display: Add \$200

Compaq Retailers: ABC Warehouse, American Appliance, American TV, Best Buy, bigcityexpress.com, Brandsmart USA, Buy.com, CDW, Circuit City, CompUSA, Computers4Sure.com, Conn.s. Data(Visit Outpost.com, PC Connection, PC Richard & Son, PC Warehouse, RadioShack, RadioShack.com, RCS Computer Experience, Sears, Staples, The Wiz, Tiger Direct, ValueAmerica.com, WorldSpy.com, Visit a

Will prices shown are Compaq Direct selling prices and do not include monthly Compaq,net service fees, applicable sales tax and shipping, are valid in the U.S. only, and are subject to change or cancellation without motice. Not all mode by arrangement with Compaq Pinancial Services through MBMA America Bank, N.A. Payment based on a 48-month term at 14 99% AVRI. Your APR may be higher. There is no fee for Compaq purchases billed directly to your account. H. Compaq Pinancial Services, 1400 Series, 5C41XX Series, 5BW1XX Series, 7E1.XX Series and Built for You' 5000T Series, and 7000T Series models (one color per left). Offer valid for purchases made between 64,400 and 97 any time. See couper, relation or www.compaq.com. Questions? Call 773-300-3053. "Compaq Uson Color printer valid on Compaq Built for Your destrop purchases of Pressario 5000T and 7000T series from 7712/00 through 9/000 in Compaq Uson Color printer. Evolutes Pressario 1800V Will Windows 2000 Professional Operating System and Presario 1200 Series. For hard drives, GB-builton bytes, 40X Max CD-RDM data transfer rates may vary from 2500 to 600 conditions. "CD-RW drive data transfer rates may vary from 150 to 300 Ktops, for willing to CD-RV mode, the data transfer rate may vary from 150 to 300 Ktops. Series and table Labor for Notebooks is a pick-up service. Labor for Desktop systems is pick-up service duri. Microsoft Windows\*98 installed. Microsoft, MS, and Windows are registered trademarks of other corrections.

### **FAMILY CHAMPION**

### PRESARIO 5000T-667

As low as \$28 per month:

OuickAccess Code: 37X718-62257

Intel Pentium III Processor, 667 MHz

128 MB 100 MHz SyncDRAM --- up to 11 MB Shared for Video

10.0 GB UtraDMA Hard Drive

40X Max Variable CD-ROM Drive-

2X AGP with 64-bit Hardware Accelerated 3D Graphics

ESS Allegro Integrated PCI Audio

56K ITU V.90 Modern\*

JBL Platinum Speakers with Digital Audio Port

Compaq CV515 15" Munitor (13.8" VIA)

Personalize by choosing:

Upgrade the CD to 16X DVD FIOM Driver: Add \$59 APC Back-UPS Pro Office 280: Add \$89

### WEB SURFER

PRESARIO 5000T-566

As low as \$26 per month<sup>1</sup>

QuickAccess Code: 37X718-622X2

Intel Celeron™ Processor, 566 MHz

64 MB 100 MHz SyncDRAM - up to 11 MB Shared for Video

10.0 GB LitraOMA Hant Drive

16X DVD-ROM Drive\*

2X AGP with 64-bit Hardware Accelerated 3D Graphics

ESS Allegro Integrated PCI Audio

56K ITU V.90 Modern?

JBL Platinum Speakers with Digital Audio Port

Compaq CV515 15" Monitor (13.8" VIA)

Personalize by choosing:

Compaq CV735 17" Montor (16:0" VV). Add \$170 30.0 GB UltraDMA Hard Drive/- Add \$49



### **DESKTOP VIDEO CENTER**

USB and IEEE-1394 ports are located on the front of the PC, so you can plug in cameras, camcorders, scanners, and other digital imaging devices. It's never been faster or easier to create and edit your own home videos.

### PICK YOUR FAVORITE COLOR

Choose from the following MyStyle Accent Kits. Ruby Red. Emerald Green, Sapphire Blue, Amethyst Purple, Amber Orange, or Onyx Black. Free" with purchase of any desktop or Presario 1400 Notebook









(Annthus 1974) Notations cov.





### MUSICIAN

### PRESARIO 1400T-600

\$1899

As low as \$53 per month!

QuickAccess Code: 37X7X1-62X28A

Intel Celeron\*\* Processor, 600 MHz

12.1" TFT Active Matrix Display

64 MB SyncDRAM

6.0 GB LitraDMA Hard Drive: CD-RW Drive\*

lindent CyberBlade Hardware Accelerated 3D Graphics

56K ITU V.90 PCI Modern

Lilita Hi-Capacity Lilon Battery

256 KB Integrated "On chip" Cache

Personalize by choosing: 128 MB SyncDRAM Add \$200

13.3" TFT Panel Add \$150

12.0 GB UltraDMA Hard Driver: Add \$100



### WEB SURFER

### PRESARIO 1200T-533

\$999

As low as \$28 per month!

QuickAccess Code: 37X7X1-6212XA

Intel Celeron Processor, 533 MHz

12 T HPA Display

32 MB SyncDRAM

5.0 GB UtraDMA Hard Drive

24X Max CD-ROM Drive!

Trident CyberBlade Hardware Accelerated 3D Graphics

56K ITU V.90 PCI Modem

NMH Battery

126 KB Integrated "On-chip" Cache

### Personalize by choosing:

32 MB SyncDBAM: Add \$99

Compaq Carrying Case: Add \$39

APC Notebook Surge Protector: Add \$29

### **GET A COLOR PRINTER FOR \$1**

Get a Compaq IJ300 color inkjet printer for just a dollar more when you purchase select Compaq Presario desktop and notebook PCs. Desktop offer also includes a free integrated 10/100 Network Interface (NIC) card:\*

### **FUTURE BAY TECHNOLOGY**

Choose from optional drives, including DVD, CD-RW, CD-ROM. and floppy. When you want to use one of your drives, simply pop it into the Future Bay. It's the ultimate in flexibility in a thin. and light notebook. Available only on the Presario 1700 Series.

on, Fred Meyer, Fry's Electronics, Handlech.com, h.h. Gregg, Insight.com, J&R Computer World, Micro Center, MicroWarehouse, Nationwide Computers & Electronics, Nebraska Mega Mart, Office Depot, Compaq Built For You Custom PC Center at retailers highlighted in bold.

Is available in all total stores. Illustrations may not accurately represent exact configurations priced. Petall prices may vary. Compaq is not liable for estinial, pictorial, or hypographical errors in this adventsement. Financing on approved credit were, there is an access check led of 3% of the U.S. Dellar amount of each advance check (\$6 min \(.\)\$30 max.). "Compaq MySyle Accent Kit introductory mail-in offer (plus shipping & handing \$7.95) valid only with purchase of the Millowing \$7.00 mile suppries sist. Please allow 6 to 8 weeks for deriver, in o quality, you must be a legal U.S. (sested if 8 ye years of age or older. Void where prohibited or restricted by law. Compaq mail for 9 for 1800 1.7100 and 1800 mile suppries law. Section 1800 mile includes any offer includes any compaq mail for 9 for 1800 1.7100 mile 1800 mile includes any offer includes any compaq mail for 9 for 1800 1.7100 mile 1800 mile includes any offer inclu













# Break on through to your other side.

You've always known you had a creative side. Or maybe you have a practical side. Or even an entrepreneurial side. Compaq can help you explore all of them, with a wide range of innovative technology designed to make whatever you want to do, easier to do. Like ultrathin, ultracool notebooks for your adventurous side, Powerful desktops for your energetic side. And the latest Intel® Pentium® III processors for your competitive side. Plus, every one comes pre-loaded with Compagnet powered by MSN.º Choose one of the PCs here, or let us build one for you. It could be just the break you've been looking for.

One of the Presario PCs inside is right for you. Take a look.



1-888-570-6417 www.athome.compaq.com Buy direct from Compaq or from your favorite retailer.

COMPAQ



### **Online App Sampler**



Service	URL	Applications						
AnyDay.com	anyday.com	PIM, calendar, address book, to-do list, reminder service, event directory						
Desktop.com	desktop.com	E-mail, file storage, photo sharing, virtual desktor						
Excite	www.excite.com	E-mail, calendar, address book, voice mail						
Expedia	www.expedia.com	Route planning						
HRBlock.com	hrblock.com	TaxCut online						
i-drive.com	idrive.com	File storage, sharing, and management						
Into Networks	www.intonetworks.com	Game, educational, and personal productivity titles						
Lycos	www.lycos.com	E-mail, calendar						
MapQuest	www.mapquest.com	Route planning						
MSN Hotmail	www.hotmail.com	E-mail						
Quicken.com	quicken.com	Finance calculators, TurboTax online						
When.com	when.com	PIM, calendar, address book, contact manager, scheduling, event directory						
X:drive www.xdrive.com		File storage, sharing, and management						
Yahoo	www.yahoo.com	E-mail, calendar, scheduling, picture sharing, note taking						
Yahoo Finance	finance.yahoo.com	Finance calculators, portfolio tracking						

(continued from page 182)

Security concerns have also slowed the growth of consumer ASPs. Most consumers are still wary of storing their legal, financial, or other private files on remote servers, out of their control. They also worry about access to their files being completely dependent on an Internet connection.

Then there's the cost. Businesses can easily weigh the benefits of a monthly subscription fee against per-seat license fees, upgrade costs, and the labor costs associated with user support. But for consumers, who generally don't opt for every upgrade, and don't consider asking the geek next door for help to be an expense, it's harder to justify a never-ending subscription fee against the one-time cost of shrink-wrap. Then again, many consumers couldn't see the benefit of leasing a car just a

Most experts agree software rental is inevitable, but it may take another two to four years for it to catch on-about the time it will take for reliable broadband coverage to be ubiquitous.

### IF IT'S THE INTERNET IT MUST BE FREE

hile you're waiting, you'll find no shortage of free Internet-based apps to augment, and even replace, some of your desktop apps. And although some may stretch the strict definition of an ASP (a company that hosts, deploys, and manages access to an application from a

remote, centrally managed facility), they exemplify the software application's migration from the PC to the Internet.

E-mail. One of the earliest and simplest examples of the ASP concept is MSN's Hotmail (www. hotmail.com) free e-mail. Hotmail lets you access your account from any Web-connected computer, without the need for any special or proprietary software. Security features include password protection, cookie-based authentication, and a sharedcomputer security option. The concept of free Webbased e-mail has proven so successful, virtually all portals and ISPs offer it. Portal sites such as Yahoo

(www.yahoo.com), Excite (www.excite.com), and Lycos (www.lycos.com) all offer their own versions of free Web-based e-mail.

Indeed, portal sites have been some of the most active in providing ASP-style services to consumers. A portal's value as an advertising medium is based on its ability to draw eyeballs, and offering online applications is a means to that end. Although most of the applications are bare-bones, portals are constantly beefing up their functionality.

Yahoo, the leading portal, offers everything from calendaring and scheduling apps to picture-sharing and note-taking programs-all for free. The programs are easy to use and share a common look and feel, so if you use one you can use them all. Excite also offers an assortment of free apps in addition

to e-mail, including a calendar, an address book, and voice mail. Like Yahoo's, Excite's calendar can be shared and synced with most PDA devices

PIMs. Several companies offer turbocharged versions of calendars, known as personal information managers (PIMs). AnyDay.com offers a calendar with several views, an address book, a to-do list, a reminder service that lets you e-mail people about upcoming appointments and meetings, and an event directory that lets you drop the schedule of your favorite teams or TV shows into your calendar. You can sync AnyDay with your handheld mobile device and most major shrink-wrapped PIMs.

When.com offers similar free services, including individual and group calendar, contact-management, and scheduling programs. In addition to your own schedule, you can keep track of movie releases, TV shows, concerts, and local-team schedules. The company's servers, however, are a tad slow.

File storage. It seems the bigger hard drives get the more space you need. But online file-storage sites do more than offer a simple, convenient way to store and access files from remote locations. Most throw in useful file-sharing and file-management tools.

I-drive.com gives you access to 50MB of free storage space; after that, the cost is \$9.95 per month per 25MB. The interface is simple, but to see the contents of a folder, you have to click on a link and wait for an additional page to load. You can designate folders as public or private, and assign visitors specific access levels so they can view only, add only, or have total control over files in a specific folder. A sync feature lets you schedule uploads at regular intervals. (See this issue's Reviews section for more information on i-drive.)

X:drive (www.xdrive.com) gives you only 25MB free, but an additional 25MB costs only \$4.95 a month, and you can get 100MB for

> \$9.95 and 1GB for \$19.95. Unfortunately, X:drive's Web interface is more complex than i-drive's, requiring you to click through several pages before you can upload or download files. But it integrates well with Windows Explorer, letting you drag and drop files into an X:drive folder for upload or download.

Trip mapping. Even mapping programs are leveraging the advantages of the Web delivery model. Instead of plunking down \$25 for a copy of AAA Map'n'Go, you can log on to sites such as MapQuest.com for driving directions, downloadable



MSN's Hotmail service broke new ground by letting users access their e-mail accounts from any Web-enabled PC.

maps, and access to live traffic reports.

MapQuest also includes travel and city
guides, so you can find the best places to visit,
stay, and eat. Access is simple and reliable, but

Aside from letting you make reservations, Microsoft's Expedia travel site
(www.expedia.com) provides driving directions, detailed street maps of the United
States, Mexico, Canada, and Europe, and
topographical maps of the world. You can
even save frequently used maps and routes
on your own page. Just click the Save button
next to the map you want, and the next
time you need it, you'll find it in the My
Maps & Routes tab on the menu bar.

downloading large map files can be slow.



AnyDay.com's calendar, address book, and to-do list let you organize your life straight from the Web.

Financial planning. Don't know what to do with all the money you're saving on software? You'll find calculators of every ilk at a number of finance sites. Intuit's Quicken.com offers calculators that let you determine things like loan payments based on a given interest rate and whether you're better off renting or buying. The site is also home to TurboTax, Intuit's best-selling tax-preparation software. For \$9.95 apiece, you can prepare and file your federal and state taxes online.

HRBlock.com follows suit by offering TaxCut, the company's tax-preparation software. You can use the online application for free, but filing online costs \$9.95.

In addition to finance calculators, Yahoo Finance (finance.yahoo.com) offers tools for tracking and managing your stock portfolio. Just input the names of the stocks in your portfolio, or those you want to track, and you get updated quotes whenever you log on to the site.

Office productivity suites. While the services are not yet a reality, two major players in the office productivity space are planning to offer their wares online. Last year Sun made headlines by purchasing office productivity suite StarOffice and

ASPs TODAY

offering it as a free download from its Web site. Now the company plans to introduce StarPortal, a Web site where users can access StarOffice applications (word processor, spreadsheet, database, and presentation programs) without the download. The applications are Java-based and scalable to thin Web appliances, so you'll be able to run them from a handheld device. The company plans to launch the service by the end of 2000.

Not surprisingly, Microsoft has announced similar plans, preparing to roll out Office Online, a Webbased version of Office 2000, in varying stages throughout the year. The online version will include the traditional applications found in the desktop version—Word, Excel, PowerPoint, Access, Publisher, FrontPage, and Outlook.

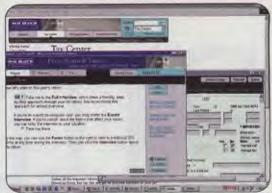
Microsoft will offer the suite first to small-business customers through its bCentral Web-services portal, and as part of a pilot program that includes such ASP heavyweights as British Telecommunications PLC, CenterBeam, Concentric Networks,

and Winstar Communications. Although it hasn't released a launch date for a consumer version, it's hinted it will wait for consumer demand to increase before moving onto a more public platform.

One of the first true consumer ASPs is Desktop.com. You access Desktop.com's personal productivity apps via its Webtop interface, which you download to your browser every time you log on. As you use



MapQuest.com provides all the functionality of consumer trip-mapping software on the Internet for free.



HRBlock.com hosts an online version of TaxCut that consumers can use to prepare their taxes on the internet.

Desktop.com, you populate the virtual desktop with the applications you use from its Apps Library. You can even upload or download files you're working on to the Desktop.com site from its File Manager.

Right now, Desktop.com's offerings are limited in both scope and functionality, but better applications are already in development. In addition to its own applications, Desktop.com encourages third-party developers to create software for its platform. Its goal is to offer consumers a single, unified source for all their application needs.

Another company building on the onestop-shop theme is Into Networks (www.intonetworks.com). Targeting households with broadband Internet access, Into Networks offers instant access to popular educational, gaming, and personal productivity titles. You can try titles for free before you purchase, rent single titles for a few days, or subscribe to channels of content on a monthly basis.

Into Networks is targeting its first product, PlayNow (www.playnow.com), to families. It includes three channels: the PlayNow Kids Channel, with educational and entertainment titles; the PlayNow Lifestyle Channel, with titles from home improvement and cooking instruction to home-office applications and foreign-language tutorials; and the PlayNow Games Channel, with some of the hottest new titles for the gaming enthusiast. Prices range from around \$3 for a two-day premium rental, to monthly subscription fees of just under \$6 for unlimited channel access.

Many industry watchers see this as just the beginning. The ASP vendors of tomorrow will deliver all the applications you need, from office and personal productivity suites to photo-editing applications to games. The free model may go away, but ASPs are here to stay.

Additional reporting by Stephanie Izarek

here has never been a better time to be unhappy at your job. In addition to a booming job market, the tedious process of hunting-poring over classified ads, contacting headhunters, and sending out résumés-is dramatically easier these days, thanks to a slew of new job-search sites.

These sites are cropping up everywhere, and they have something to offer almost anyone, including myriad positions of all types, from temporary, entry-level spots to those at the highest executive level. (For information on sites that target a particular field or profession, see the sidebar "Sites That Specialize.")

And job-hunting on the Web holds tremendous advantages over traditional methods. You can post a résumé in a database to reach hundreds of prospective employers in one fell swoop, study company profiles, and quickly search for jobs based on location, salary, job title, and even skills. If you're looking on the sly, some sites will

Time for a new career?

Capable Web sites are ready to show you the way.

let you block your current employer from viewing your résumé. Some even employ push technology, allowing you to describe your perfect job, then sit back and wait as the site e-mails you information on all the positions that match your requirements.

In addition to gaining access to thousands of jobs, you can expect better response times when you send queries to companies that accept electronic résumés.

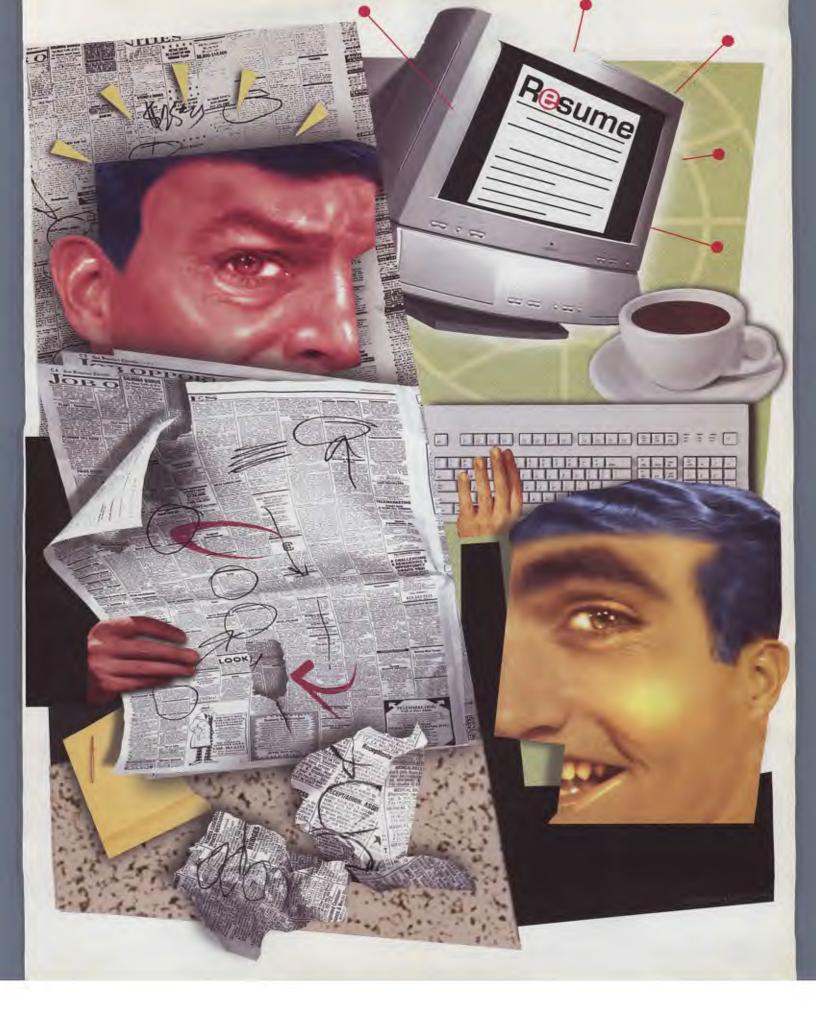
by Elaine X. Grant

Sending a cover letter and résumé by snail mail to a company that has posted an ad in the newspaper rarely yields a response, but a well-worded e-mail with an attached résumé will often win you a quick reply.

Most sites allow job hunters to browse their listings without paying, registering, or providing any personal information. They do, however, usually require that you register and fill out a profile of some sort to use higher-level features. These include perks such as posting a résumé, sending a résumé directly to a prospective employer, receiving job listings by e-mail, and granting access to your résumé.

### SCREENING THE CANDIDATES

Compared with other types of online services, such as travel sites and Web-search engines, the job-search category is relatively immature. Hundreds of sites promise to provide the best jobs, but only a few offer a critical mass of quality listings. Equally rare are sites that deliver an interface that won't leave you so frustrated that you're ready to



commit to your current employer for life.

According to Jupiter Communications, the online recruitment market is worth \$10 billion to \$15 billion, and it's crowded with players trying to corner it. The sites are working hard to attract business: Both HotJobs.com and Monster.com paid \$1.6 million for 30-second television spots during the 2000 Super Bowl, and you can hardly walk down a metropolitan street without seeing a print ad for HotJobs.com or Jobs.com

Media Metrix says the most-visited career site in March was Monster.com, which had 3.41 million unique visitors, compared with 2.96 million for the runner-up, JobsOnline.com. Other popular sites, in order, were Headhunter.net, CareerPath.com. HotJobs.com, CareerMosaic, CareerBuilder, and lobs.com.

We took a look at the Web's most highly trafficked job-search sites and judged them on intuitive design, nationwide offerings, and independent listings (as opposed to company-hosted job-offering sites). Here's what we found.

### CAREERBUILDER

If you'd like to kill 50 birds with one stone, try CareerBuilder (www.careerbuilder.com). which searches more than 50 job sites (including most of the sites included in this article) and has access to more than 3 million jobs. In addition to its staggering number of listings, CareerBuilder has one of the most intuitive interfaces.

The opening page features two types of job searches. The quick search lets you



select from a comprehensive list of almost 100 career fields and an equally exhaustive list of U.S. cities; the advanced search lets you select career field, location, job type (full-time or temporary, for instance), key words, and salary range. You can also opt to see jobs that have been posted within the last week, two weeks, or four weeks.

The My CareerBuilder section lets you store a résumé and cover letter, and specify



who can and cannot see them, as well as create up to five personal search agents to track jobs that match your skills and preferences. The agents send responses by e-mail. CareerBuilder also houses job-hunter resources like articles and expert advice on writing cover letters and résumés, interviewing, and negotiating offers, plus links to other Web resources.

### CAREERSHOP. COM

Like CareerBuilder, CareerShop.com culls job listings from other sites-35, to be exact. Apart from all the basic features, CareerShop.com offers the Personal Job Shopper service, a useful feature that allows you to specify the type of job you want and create a job agent that will crawl the job database weekly and send matches to your e-mail address.

### HOTJOBS.COM

If you prefer to go right to the source, HotJobs.com is one of the best, offering more than 100,000 jobs from more than 600 firms. It offers a clear interface and features that are comprehensive and easy to use.

You can search for positions by keyword, location, or company. For a more specific search, click on one of 23 career categories, including entry-level jobs and positions with startups, where you can look for a job by title, keyword, or location. HotJobs.com lets you specify city and state, and you can expand the search to an extended metropolitan area of the city you've selected, a convenient feature for job hunters in a sprawling metropolis like New York or Los Angeles. Results, which you view in groupings of 10 to 100, can be ranked according to relevance or date posted. The site also provides information on relocating and benefits, as well as links to sites specializing in those topics.

To take full advantage of HotJobs.com, check out its My HotJobs section. Here you'll be able to create a résumé and set up an automatic agent that searches the HotJobs.com database each night and e-mails you a list of jobs fitting your specifications. You can also track your applications, control who can and can't see your résumé, and see statistics such as how many companies have viewed your résumé.

### MONSTER.COM

Monster.com offers most of the same jobsearch features as HotJobs.com, but it stands head and shoulders above the competition

in at least two areas: its sheer number of postings and its pages of career advice. The site claims to have a database of almost 400,000 positions, and its unparalleled Career Center offers extensive expert advice on topics like résumé writing and age discrimination.

The site also carries articles on key job issues and long lists of career-oriented Web sites. Monster.com claims to offer 1,700 pages of career advice, a number that we found entirely believable. Here's just one example of how thorough the site is: Monster.com's Relocation category includes a salary calculator; a home finder; reports on cities, schools, and communities; crime statistics; a moving calculator; and tips on how to get the best mortgage and home



insurance. The only downside to the Career Center is that it can be hopelessly difficult to navigate.

Like most job-hunting sites, Monster.com lets you search its database by city, category, keyword, or company. It doesn't offer an equivalent to HotJobs.com's "greater metro area" search feature, but makes up for this with two other tools: the ability to save a search as an agent for future use, and the ability to narrow a search by using exclusive terms (for example, "NOT sales").

Monster.com also excels at letting you search jobs posted in a specific time frame. You can hunt for jobs posted today, yesterday, or within the last three, four, five, six, seven, 14, 30, or 60 days. It's also one of the most interactive sites, offering regular user polls, message boards, and organized chars on various subjects.

As with HotJobs.com's My HotJobs section, Monster.com's My Monster area lets users create a personalized account, but Monster.com goes a bit further. In My Monster, you can create and store up to five résumés and cover letters, and select from three levels of confidentiality for each. You can also track applications, create search agents, and fetch news and articles that correspond to your specifications.

### CAREERPATH.COM

If you still think that the newspaper is the best medium for job hunting, CareerPath.com is the site for you. CareerPath.com acts as a central, Webbased repository for the job listings (more than 310,000) found in more than 70 major U.S. newspapers. It also lists jobs culled from employers' sites.

Its Quick Search feature lets you look for jobs by keyword, or find Web listings based on location (state and city) or job category, using keywords to narrow your search. No job stays in the database for more than two weeks, so you won't encounter stale listings here. If you plan to use the site often, you can also save job searches for future use.

To post a résumé in CareerPath.com's résumé database, through which employers browse to look for qualified candidates, you must register and fill out a profile. You can opt to have your résumé posted confidentially. Under the Manage Your Career section, CareerPath.com also offers news, tips, job-search stories, and fee-based career counseling and testing.

### CAREERMOSAIC

CareerMosaic (www.careermosaic.com) has a good search engine and is easy to use, but it offers less functionality and original content than other sites. It's also comparatively scanty on job listings, offering roughly 100,000 jobs.

You can perform a quick search by keyword (in either job title or job description), and look for positions within a specific radius from a ZIP code. The advanced search lets you look for a job by company name, city, and state. You can create a search agent to look for jobs and send hits to you by e-mail, or search Usenet newsgroups for jobs.

### JOBS.COM

Though most job hunters won't be able to tell the difference, Jobs.com claims to offer localized job listings from career centers in more than 25 cities. And despite some problems and a meager listing (just over 21,500 jobs as of April), the site's interface is fairly good.

One problem we noticed: The job-search feature is frustratingly unrefined. A search for jobs in New York City, for instance, turned up positions as far away as Princeton, N.J., and Danbury, Conn., which stretch the boundaries of the New York metropolitan area. A job-search agent lets you receive promising job descriptions by e-mail, and the site's Resource Center proONLINE

### **Building** a **Better Résumé**

ost job-hunting Web sites offer at least some advice for creating a résumé, and some even provide downloadable software to get you started. For the do-it-yourselfers out there, here are some key tips for creating an electronic résumé that will land you that dream job.

To transform a print résumé into one that can be sent via e-mail or the Web, simply create a document in ASCII text. Résumés in other formats (Microsoft Word, Quark, and the like) can be sent as attachments, but the prospective employer might not be able to read them. A plain-text version is your best bet.

Because plain text doesn't include formatting, don't use bullets or tabs; also avoid text in boldface or italics. Use keywords, so a company searching a database for particular experience or skills will find your résumé. Always include a cover letter and mention where you saw the online ad.

For other tips, CareerMosaic (www.careermosaic.com) has an excellent résumé section. A more complete tutorial can be found at Rebecca Smith's eRésumés & Resources (www.eresumes.com).

If you're willing to pay someone else to write the résumé, Career Resumes (www.career-resumes.com) will fill the order for \$175 to \$600. The site gives free résumé critiques and price quotes. Résumé-writing services are also available at K's Resume Writing Service (www.careeravenue.com/net/larocca). Rates range from \$75 to \$250 for

writing, layout, and design, plus



10 cover letters and 10 printed résumés. The site will also post your résumé to 20 Web sites for \$50, Or you can do it yourself for free. W

vides information on relocation and compensation, advice from expert authors, and free online courses on career management.

Jobs.com's claim to fame is its free

Resumail Resume 2000 application, which lets you create up to five résumés using 10 templates, and save them as text, HTML, or XML files. Jobs.com listings do not provide contact information, so you are required to use this résumé application if you want to apply for a job. Some job hunters may not like that constraint.

Though it's more gimmicky than useful. another Jobs.com feature lets employers reach job seekers using an audio/video streaming Webcast event. To date, only six companies are taking advantage of this multimedia meet-and-greet.

### JOBSONLINE.COM

Only a year old, JobsOnline.com is one of the latest entrants, and it has quickly become one of the most popular. Unfortunately, the site's approach may be offputting to some.

For instance, before you can look for a job, you must register and provide not only standard information such as address, phone number, e-mail, and career objective, but also more personal information such as date of birth, marital status, and household income. The site maintains that the information is only for its own use in tracking user demographics.

JobsOnline.com also forces you to slog through several online ads peddling coupons and newsletters before you get down to business. After registration is complete, you're subjected to at least two more pop-up windows that shill additional services. And once the site actually supplies job listings, it does so according to the data provided by your profile, so modifying the search can be tedious. Additionally, the site has some design flaws, with headings opening onto the wrong sections and information blanks missing.

### AMERICA'S IOB BANK

Another candidate with considerable flaws is America's Job Bank (www.ajb.dni.us). Although this site offers more jobs than any other single site reviewed here-almost 2 million at last count-it's crippled by a poor search engine. In addition, you must register before using the site, providing your name, address, phone number, and e-mail address, plus your status as a U.S. citizen or veteran.

Each time you log in to the site, it displays a status report, relaying the last time you logged in and the number of saved searches, cover letters, and résumés on file. To search for a job, you must first choose a job category, plus a region in which to

search. The site has separate pages for each state, so you will automatically be sent to the site for your home state, which is an annoyance for people who want to search in multiple states.

The search engine is awkward, and you'll have to dig through several layers of categories to find specific job types. However, the site does include listings for many types of jobs not covered by the other search engines reviewed here,



including farming, fishing, and forestry; maintenance and repair; and cleaning and ground maintenance. You can name and store each search, but the engine is too inflexible to allow for quick searches across different professions or regions.

### VAULT. COM

With close to 200,000 jobs posted by more than 28,000 employers, Vault.com isn't the biggest job site, but it does offer several features the others don't. You might go somewhere else to look for a job or post a résumé, but go to Vault.com when you want to get the lowdown on a company or industry.

In addition to in-depth insider profiles on 3,000 companies and 50 industries, Vault.com also has message boards where you can talk to other prospective employees around a virtual watercooler. Company profiles are chatty, informative, and accurate.

Vault.com isn't as strong on the jobsearch side. Its search engine isn't one of the best, jobs can be up to three months old, and many of the listings don't include a company name. That said, the site does offer a couple of nice features, such as letting you exclude listings submitted by headhunters and recruiters.

### HEADHUNTER. NET

Some job sites, such as HotJobs.com, pride themselves on screening out offers from



### **Sites That Specialize**

he major job sites cover a broad range of employment opportunities, but if you're looking for a specific job in a certain industry, you may find more relevant listings on a site that specializes in your field.

For example, journalists should check out mediabistro.com and JournalismJobs.com, salespeople are served by Sales Jobs (www.salesjobs.com), artists have ArtHire (www.arthire.com), and those looking for government jobs can go to Public Sector Jobs (www.publicsectorjobs.com).

A plethora of sites exist for high-tech employment, including Jobfront (www.jobfront.com), Tech-Engine.com, and the well-known Dice.com.

High-level executives should visit Exec-U-Net (www.execunet.com) or Netshare (www. netshare.com), both of which require a membership fee, or 6FigureJobs.com, which is free.

On the opposite end of the spectrum, college students and recent graduates should visit JobTrak.com as well as JobDirect.com, which specialize in internships and permanent jobs.

MegalobSites (www.megajobsites.com) has hundreds of individual Web sites for different occupations, including sites for financial analysts, administrative assistants, carpenters, and social workers, to name just a few. WorkSeek.com (www.workseek.com) offers five separate sites specializing in sales, retail, finance, recent college graduates, and high-tech.

For the footloose and fancy-free, Cool Works (www.coolworks.com) lists jobs in exotic locations, including national parks, guest ranches, ski resorts, and amusement parks. Another site, JobMonkey.com, offers similar positions, including jobs at beach resorts, on cruise ships, and in casinos.

If you're looking for temporary or contract work, head to Net-Temps (www.net-temps.com). This well-organized site offers listings for temporary work in categories such as clerical, engineering, finance, health care, IT, sales, and marketing. You can post your résumé and wait for employers to contact you, or proactively search the site by category and city.

Some sites even cater to who you are, in addition to what kind of job you seek. IMinorities.com (www.iminorities.com) targets minority job hunters, and Gaywork.com offers a database of gay-friendly employers. V

recruiters, but some job hunters swear by headhunters and prefer them to dealing directly with a prospective employer. For those people, there is Headhunter.net.

With almost 200,000 jobs listed. Headhunter.net lets you look for jobs in categories including IT, engineering,

finance, sales and marketing, customer service, and international jobs. The site offers a unique feature for those looking for jobs in a limited geographical region: You can ask the site to find jobs that are a specific distance from any of 250,000 cities and towns in the United States and abroad. The site will list job opportunities in order of proximity to the desired location.

For job searches, Headhunter.net asks more specific questions than many sites (though not as many, or such personal ones, as JobsOnline.com), including your highest degree and whether you are looking for a management position or one with a startup company. You can search for jobs that have been posted within the last three, seven, or 30 days (none are older than a month), and choose among six salary ranges.



While Headhunter.net offers a Resource Center for job candidates, it's essentially a list of links to other sites. rather than a cache of original content.

### LANDING THE RIGHT JOB SITE

Given the number and variety of jobsearch sites out there, finding the right one can seem almost as harrowing as finding the right job. But the cream of the career-site crop will make finding a job easier, not harder.

For sheer number of jobs, Career-Builder is a good place to start. If you want a more efficient way to check newspaper ads, try CareerPath.com. To find the best background information on companies and professions, see Vault.com. If you want to search Usenet

newsgroups, try CareerMosaic.

For the best all-around site, however, Monster.com wins the prize, with HotJobs.com coming in close behind. ▼

# WebBuyer

Site Reviews for Online Shopping PC SHOPPING SITES

> PC DIRECT VENDORS

INTERNET SERVICE PROVIDERS

**PC RESOURCES** 

**SOFTWARE SITES** 

FINANCIAL SERVICES

ONLINE AUCTIONS

SMALL-BUSINESS RESOURCES

TRAVEL & LEISURE

CONSUMER ELECTRONICS

**CAMERAS** 

**BOOKS & MUSIC** 



# is it possible to have the perfect laptop for 6.06 billion people?

of course not, that's why we have three.





### Includes Windows 98, Second Edition — the home version of the world's favorite software.

Includes Windows 98, Second Edition — the home version of the world's favorite software.

"Monthly payments based on 13,99% APR, API FOR QUALIFIED CUSTOMER VARIES BY CREDITWORTHINESS OF CUSTOMER AS DETERMINED BY DELL FINANCIAL SERVICES L.P. Taxes & shipping charges extra, and vary; they are due with 1st payment unless included in the amount financed. Purchase Plan from Dell Financial Services L.P. to U.S. state residents (including D.C.) with approved credit, excluding AR and MN residents. Availability may be limited or offer may vary in other states.

Prioss, specifications, and evaluability may change without notice. Taxes and shipping charges extra, and vary. Cannot be combined with other offers or discounts, U.S. colv. Offer valid for Dell Home Systems Co., only. For a copy of ton Governtees are United Warreless, write Dell USA L.P. Ant. Warrentless, One Dell Wuly, Round Book, Taxes 18882. At. Home or on-site service provided via third-party contract with customer. Availability varies, Technician with the dispatched, if necessary, following phone based troubleshooting to racewell warreless with operating only the contract with customer's timel. Other conditions apply. For hard drives, Git means I binton lytes; accessible capacity varies with operating environment. Download speeds limited to SXRips, Upload speeds are less (about 30/Kops) and vary by modern minulacturer and coline conditions. Analog phone line and compatible sorver required. The processor may be reduced to a lower operating speed when operating on battery power. Intel, the listel lesside logo, and Pentum are registered trademarks, and lines SpoutStep and Caleron are trademarks of limit Corporation. MS, Microsoft, and Windows are registered trademarks of Microsoft Corporation. (62000 Dell Computer Corporation. All rights reserved.)

Whether you're a harried real estate agent from Tokyo who needs mobility, or a mathematician from Pasadena who requires raw power, have we got the perfect notebook for you. Our award-winning Inspiron line of notebooks is carefully designed to offer you a range of innovations and technological benefits. They also come with peace of mind — Standard Next-Business-Day On-site Service offering — part of our award-winning service promise. Dell4me is all about helping you get the most out of your PC. A notebook customized to fit your needs is just one of the ways we're making it happen.

### THE COMPLETE DELL" INSPIRON" NOTEBOOK FAMILY

### DELL" INSPIRON" 3800

Very affordable. Very lightweight. Not bad looking, either. It's beautifully designed, and available in Forest Green, Sierra Maroon, Midnight Grey, and Tahoe Blue. You'll find it delivers quite a bit of digital bang for your hard-earned buck.

Best Buy, Budget Notebook Category PC World, June 2000

### DELL" INSPIRON" 5000

This award-winning Dell\* Inspiron\* is a brilliant combination of power, size, and mobility. It includes all the bells, whistles, and drives you need and it's just 1.6" thin.

Best Buy, Laptop Buyers' Guide & Handbook, May 2000

### DELL" INSPIRON" 7500

Need a portable desktop with a 15.4" screen and a NEW Intel" Pentium" III processor that delivers speeds up to 750MHz? Rarely do you encounter so much raw power concentrated into such a neat package.

CNET Editor's Choice Award, Inspiron™ 7500 G650VT, January 2000

### Design and Affordability

- Intel® Celeron® Processor at 500MHz
- 14.1" XGA TFT Display
- 32MB 100MHz SDRAM
- 6.0GB' Ultra ATA Hard Drive
- Modular 24X Max CD-ROM ■ 2X AGP 8MB ATI RAGE Mobility\*\*-M1 3D\* Video
- 53WHr Lithium Ion Battery with ExpressCharge™ Technology
- MS\* Works Suite 2000 MS\* Windows\* 98, SE
- 1-Yr Limited Warranty
- 1-Yr Next-Business-Day On-site Service\*

### Performance and Mobility

- Intel® Pentium® III Processor at 600MHz Featuring Intel® SpeedStep® Technology®
- 15" Super XGA+ TFT Display
- 64MB 100MHz SDRAM
- 12.0GB<sup>6</sup> Ultra ATA Hard Drive
- Medular 32X Max CD-ROM
- 2X AGP 8MB ATI RAGE Mobility "-P 3D" Video
- 52WHr Lithium Ion Battery
- Internal V.90 56K Capable FaxModem
- MS\* Works Suite 2000 MS\* Windows\* 98, SE
- 3-Yr Limited Warranty
- 3-Yr Next-Business-Day On-site Service\*

\$2379 @ E-VALUE CODE 05849-8007231

As low as 565/Mo. for 48 Mos."

### Mobile Desktop

- NEW Intel® Pentium® III Processor at 750MHz
   Featuring Intel® SpeedStep® Technology®
- 15.4" Super XGA TFT Display
- 96MB 100MHz SDRAM
- 12GB\* Ultra ATA Hard Drive
- Removable Combo 8X Max DVD-ROM and Floppy Drive
- 2X AGP 8MB ATI RAGE Mobility"-P 3D\* Video
- 79WHr Lithium Ion Battery
- Internal V.90 56K Capable FaxModem
- MS\* Works Suite 2000 MS\* Windows\* 98, SE
- 3-Yr Limited Warranty
- 3-Yr Next-Business-Day On-site Service\*

\$3299 @ E-VALUE CODE 05849-800732b

As low as \$90/Mo. for 48 Mos."

Dell4me.com

# We tossed out the bricks. Threw away the mortar. Then disposed of the competition.



Internet company has been great for our customers—but not so great for our competition. Fact is, egghead.com has taken over the top spot in many of the key rankings of the online world, including:

- #1 online consumer electronics shopping site
  - Nielsen//NetRatings, 2/00
- #1 retailer of technology products among US home web users
  - PC Data Online, 2/00
- #1 in "ease of use" category
  - Gomezcom, Spring 2000.
- #1 in average order size (dollar)
  - NextCard E-commerce Index, top 5 rated sites, January 2000

What's more, traffic is up more than 600%. So if you're looking for the best place to buy office and home technology products—as well as place your bids in our auction section—visit egghead.com today. It's your basic win/win/win/win situation.



# WebBuyer

COMPILED BY KEVIN SAVETZ AND ABIGAIL CRANE

### SITE REVIEWS FOR ONLINE SHOPPING

### PC SHOPPING SITES

The sites in this listing sell products from multiple manufacturers. See the sites under "PC Direct Vendors," or check the Computer Shopper Source Directory (cgi.zdnet.com/slink?8145), for more information on PC manufacturers offering only their own brands (such as Dell and Gateway).

### aberdeeninc.com

volume pricing . smooth navigation . easy ordering imited software selection

Built for the savvy consumer who craves technical information, Aberdeen offers extensive specs on a wide variety of computers and accessories.

### accessmicro.com

smooth navigation . easy ordering

Shoppers will enjoy the selection at Access Micro, which offers 45,000 items ranging from memory to T1 routers. The help desk and hardware guide provide aid to first-time visitors.

### www.applied-computer.com

smooth navigation handling fee on orders less than \$200

Selling PCs and supplies since 1984, Applied Computer promises to match or beat any advertised price. The company stocks 800,000 products-be sure to skim the list of the site's 1,000 most popular ones.

### blackbox.com

smooth navigation

Specializing in cabling and networkconnectivity products, Black Box's extensive 900-page catalog of storage, LAN, switch, surge-protection, and other accessories can be viewed online or off.

Cables To Go sells every conceivable cable, cord, or wire your PC might need, from standard SCSI to esoteric system-specific cables. You'll also find

Shopping Cart
Add selected Re-Remove selected Edit Cart... Checkout...

### buy.com

low-price guarantee • smooth navigation • easy ordering • good return policy

Buy.com comprises a wide array of e-commerce sites, including BuySoft (for software), BuyGames, BuyBooks, and BuyVideos. BuyComp is devoted to computer hardware, including systems, PDAs, peripherals, and networking equipment.



### cablestogo.com

hard-to-find tools and test equipment

s30 minimum order requirement

networking products and all sorts of adapters.

### cdw.com

id list of rebates and coupons · business leasing options available

· smooth navigation · easy ordering

CDW offers an impressive array of hardware and software. The comparison tool lets shoppers create side-byside comparisons in many product categories.

### compuplus.com

easy ordering • good return policy

Comp-U-Plus highlights its customer service, offering a 30-day money-back guarantee and free technical support. Its catalog isn't the biggest, but plenty of name brands are represented, and prices are reasonable.

### compusa.com

smooth navigation • easy ordering

CompUSA is a well-organized site offering a fair amount of PC hardware, accessories, and software, with electronics and video-game gadgets rounding out the selection. Don't overlook the clearance section.

### computability.com

handy side-by-side productcomparison tool . smooth navigation · easy ordering

Beginning its mail-order business in 1982, ComputAbility has aged considerably better than the Commodore 64 you bought that year. The site offers desktop, notebook, and handheld computers, plus a wide variety of peripherals and software.

### computercomputer.com

easy ordering

Interested in buying components and piecing together your own PC? Computercomputer.com sells barebones systems that'll make a good starting point.

### computers4sure.com

smooth navigation • easy ordering . good return policy

Fifteen diverse departments offer a wide range of products, from networking equipment and peripherals to PDAs and scanners. Computers4Sure has top brands and more than 60,000 products, and a running total is always onscreen.

### computershopper.com

smooth navigation

Computer Shopper's own computerbuying site, computershopper.com, provides access to product reviews, interactive guides on choosing a desktop or a notebook, and How to Buy sections on popular product categories.

### computersurplusoutlet.com

consignment service

Frugal shoppers and do-it-yourselfers will feel at home at Computer Surplus Outlet, a computer hardware liquidator. The company sells closeouts,

overstocks, refurbished equipment, and liquidation items at bargain-basement prices. You can find complete, assembly-required Pentium systems for less than \$100.

### cqk.com

smooth navigation

Designed for folks who know what they want, Computer Quick offers plainbox, best-buy, and closeout merchandise in addition to a selection of more than 90,000 items in regular stock.

### cyberrebate.com

"100% Off" tab shows 300 products whose rebates equal their cost · smooth navigation · easy ordering

· good return policy

rebates take 10 to 14 weeks to process

CyberRebate.com only sells products that come with money-back rebates. You'll find a small selection of computer accessories and software. In addition, the site offers electronics, office supplies, toys, and kitchen items.

### cyberwarehouse.com

smooth navigation . good return policy

may take up to three days to ship

If you're the kind of shopper who can't pass up a bargain-basement sale or an outlet



mall, this site may be for you. CyberWarehouse offers PCs, monitors, printers, and other peripherals.

### dalco.com

 overnight shipping • international and APO/FPO orders . good return policy

Dalco stocks everything from motherboards to monitors. Bargain hunters will want to start with this site's specials, which are shown on the home page and change regularly.

### www.damark.com

discounts for Damark club members • smooth navigation • good return policy

Damark offers a variety of PCs and notebooks, as well as accessories, digital cameras, and home electronics. Factory-serviced items are available. and the outlet area delivers low prices on items in short supply.

### direct411.com

easy ordering

Direct411 offers an impressive selection of 50,000 in-stock hardware and software products. The catalog includes servers, memory upgrades, storage devices, digital cameras, and software.

### dirtcheapdrives.com

detailed archive of tech-support information . quantity discounts available • smooth navigation

If you can store data on it, this site sells it. Dirt Cheap Drives offers deals on hard drives, CD-ROM and DVD

### CHECK IT OUT!

### Provantage Purveys PC Product Deals

### provantage.com

smooth navigation • easy ordering • good return policy

Provantage's no-nonsense site offers PC products from more than 1,000 manufacturers. The selection includes software, hardware, books, and training materials. The site's Personal Tracking List feature lets customers build a list of product bookmarks, then monitor the products' prices and availability for up to two months. A Stay Informed section provides quick access to new products, new versions of old products, and items featuring manufacturer rebates. The Microsoft area showcases academic editions of software, BackOffice add-ons, and development tools. Provantage also specializes in international orders, and gives credit to commercial, academic, and government accounts.

### REVIEWS



hardware, drive arrays, and hard-to-find laptop storage. This 10-year-old company also stocks mounting kits, media, and other accessories.

### ebworld.com

can search for age-appropriate games . lists release dates for new game titles . smooth navigation . easy ordering . good return policy

Electronics Boutique is a gamer's paradise. Here you'll find game software and add-ons for your PC and your Mac, as well as titles for Dreamcast. Nintendo 64, and other game consoles. Check out the new releases, best-sellers, and gaming news.

### ecost.com

same-day shipment on most orders . photos and warranty details for most products . smooth navigation · easy ordering

The eCost.com catalog spans the full realm of PC hardware and software, including ready-to-use systems, peripherals, accessories, software, and games. Featured specials in each category point shoppers to the best deals. and fastidiously organized subcategories help them find the exact products they need.

### egghead.com

smooth navigation • easy ordering

Egghead.com shoppers can browse the hardware, software, and electronics "superstores," or check out the deals on surplus computer merchandise. In addition, the site also sells home electronics, sports and fitness merchandise, and travel packages.

### electrified.com

30-day guarantee on all items · se habla español · good return policy

Looking for deep discounts on older laptops, notebooks, monitors, and printers? Electrified specializes in products that are discontinued, second-inventory, refurbished, off-lease, or otherwise not state-of-the-art. Systems range from new Pentium II laptops to under-\$200 used 486s.

### elinux.com

smooth navigation • easy orderina

The eLinux.com site offers hardware and software for users of the Linux operating system. Desktop and notebook systems for sale here have been tested with Linux and don't come bundled with that "other" OS.

### fatbrain.com

new-title notification by e-mail

· smooth navigation · easy ordering

· good return policy

Fatbrain.com is a bookstore devoted to computer books, documentation, and some of the most technical tomes available. The site's eMatter service lets anyone self-publish books, articles, and research reports, making them available for download for free or for a fee.

### firstsource.com

real-time online customer service · smooth navigation · easy ordering

Focused on the technology needs of businesses, firstsource.com offers a broad range of choices in computer hardware, rack-mount systems, network tools, phone systems, wiring, and business software.



### gogocity.com

 smooth navigation • easy ordering

You'll get beyond GoGoCity.com's funny name when you see its excellent selection of computer hardware. You'll find desktop and notebook computers, peripherals, software, and PC accessories of all types. Detailed product information. often with pictures, rounds out the catalog.

### www.hardwarestreet.com

1 percent of all profits goes to the National Forest Foundation . smooth navigation

Shoppers in the market for hardware, networking products, and software can choose from more than 40,000 products at HardwareStreet.com. Affillated sites DownloadDrive.com and SoftwareStreet.com offer thousands of software choices

### idot.com

equipment leases available · onsite-service warranty for all systems . easy ordering

Look to iDot.com for preconfigured or custom-built PCs. To configure your own system, just select from the impressive list of add-ons and watch the price change accordingly. The Peripheral Outlet offers deals on USB devices, DVD drives, cameras, and other add-ons.

### insight.com

separate sites for the U.S., Canada, Germany, and the U.K. · smooth navigation · easy ordering

With more than 100,000 items, Insight offers an impressive and easy-tonavigate catalog of hardware and software products. More than 90 free newsletters feature new-product news, closeout specials, and tech news.

### intellesale.com

"make us an offer" function lets shoppers haggle over the prices of most orders are shipped in 7 to 10 days

IntelleSale.com offers a wide variety of new and refurbished computer systems from major manufacturers, plus peripherals, accessories, and software. Many product listings note only model numbers and the most basic specs.

### www.jandr.com

3D demos of selected products smooth navigation

Whether you're shopping for an Aptiva or an IMac, hardware and accessories abound at J&R Computer World, making this a one-stop shop for many. You'll also find a huge selection of digital and traditional film cameras.

### laptoptravel.com

Laptop Travel sells portable-computing and international-travel gear, including electrical adapters, modem converters and couplers, and security accessories. You'll find traditional and "camouflaged" laptop carrying cases, laptop RAM, and storage add-ons.

### mcglen.com

smooth navigation • easy ordering

McGlen Micro's specialized searches can help you find memory and other accessories compatible with your computer, printer, and copier. Shoppers can design a custom system to be built and shipped in two days.

### megahaus.com

ifetime technical support on all products . CD-mastering and other utility software - smooth navigation

MegaHaus calls itself "the drive authority." It offers a wide variety of storage solutions, including hard drives, DVD drives, RAID, and removable storage. A technical-information area features FAQs and specs on hardware from DVD players to drive brackets.

### mei-microcenter.com

smooth navigation . good return policy

MEI-Micro Center offers new and refurbished desktops from Compaq, eMachines, Hewlett-Packard, and PowerSpec, as well as a small selection of peripherals. Rummage around the bargain bin for deals on closeouts, refurbished units, and overstocks.

### memman.com

all memory carries a lifetime warranty . good return policy

When it's time to upgrade the memory in your desktop or laptop, don't forget Memory Man. Besides memory chips, the site sells processors, motherboards, hard drives, heat sinks, and batteries for many types of notebooks.

### memory4less.com

company tests all products shipped . smooth navigation

Memory 4 Less offers low prices on a wide variety of RAM, including older,

## REVIEWS

hard-to-find types. If you don't know the memory requirements of your computer or digital camera, it will tell you. The site also sells CPUs, motherboards, and laptop hard drives.

### microx-press.com

smooth navigation • easy ordering

MicroX-Press offers detailed information about most products, as well as a handy "E-mail me when this product is priced at..." notification feature and a PC configuration tool. Customers are invited to rate and review products they've tried.

### motherboards.com

With a wide selection of motherboards from seven manufacturers, do-ityourselfers can pick the perfect innards for their new PCs at Motherboards.com. This Web store offers CPUs, memory, video cards, drives, and other internal essentials.

### www.mwave.com

smooth navigation • easy orderina

Multiwave Direct's friendly site sells a multitude of hardware and software products. In addition to PC systems and peripherals, this Web store stocks notebook accessories, videoconferencing equipment, and network tools.

### www.mwmicro.com

24-hour technical support • lease options . smooth navigation

MidWest Micro maintains an impressive catalog of PC hardware, accessories, and software. Shoppers will be delighted to find instant rebates on some products. The site's exemplary support center offers a troubleshooting wizard, downloadable manuals, and a searchable archive of technical documents.

### www.песх.соm

smooth navigation • easy ordering

\$25 surcharge for phone orders

NECX Direct offers all manner of hardware, accessories, and software. The Showcases section highlights products in specialty categories, such as PDAs or USB peripherals. The How to Buy guides offer impartial advice on selecting and installing common PC add-ons.

### neutronet.com

purchases earn credit points toward your next order . smooth navigation . easy ordering

Neutron Computers carries thousands of computer systems and peripherals from nearly 400 different manufacturers and distributors. The site's handy toolbox offers easy access to best buys, help for first-time buyers, and a massive manufacturer directory.

### www.notebooksuperstore.com

devoted exclusively to portable computers

Notebook Superstore sells more than 70 different laptop models from eight manufacturers. It offers technical details about each model, so you can easily zero in on the best portable for your needs. Corporate accounts receive lease options and volume discounts.



### 123cdc.com

smooth navigation

Computer Discount Center offers a wide variety of PC add-ons, including storage, digital cameras, and displays. Shoppers will find competitive prices and detailed product information.

### officedepot.com

re free next-day delivery on orders of more than \$50 within local trading areas . smooth navigation . easy ordering . good return policy

Office Depot sells everything for the office: files to filing cabinets, briefcases to bookcases. The site's computer category offers a selection of prebuilt machines from major manu facturers. Office Depot provides free

downloadable business forms, letter templates, and spreadsheet templates.

### www.officemax.com

free next-day delivery on orders of more than \$50 . low-price guarantee . smooth navigation . easy ordering . good return policy

A few clicks at OfficeMax can transform a bare room into a fully furnished office. You'll find computers, other business machines, office furniture, and even paper and pencils under this virtual roof.

### onvia.com

free shipping . smooth navigation · easy ordering · good return policy

Onvia.com offers a rich variety of products, including hardware, software, telephone systems, office furniture, and office products. Shoppers can ask a product specialist questions at the help forum or search previous postings.



### outpost.com

site can be viewed in 13 languages . free overnight delivery on all items . smooth navigation . easy ordering . good return policy

Outpost.com is a lush home to hardware, accessories, and software. Visit the Game Outpost to get your playtime fix, or bid against other shoppers for hardware in the OutpostAuctions area. Get gift ideas for every person and budget in the Shopping Ideas section.

### www.palmgear.com

mailing lists offer news, specials, and user tips . smooth navigation

Palm-device users will appreciate the extensive selection of free and commercial downloadable programs at PalmGear HQ. The site features lists of the newest Palm programs, as well as essential software picks. Shoppers can buy handheld hardware and accessories, including carrying cases and styli.

### pcconnection.com

smooth navigation • easy ordering

In business for more than 15 years, PC Connection offers good deals on a colossal variety of products. Smart Selectors ease searching for shoppers looking for systems, cameras, printers, monitors, or memory to fit specific guidelines.

### pcmall.com

free lifetime technical support · smooth navigation · easy ordering

Many folks are familiar with PC Mall's thick, colorful catalog, and the online version is just as dense. PC Mall has a vast selection of computers, hardware, and software.

### pcprogress.com

smooth navigation

If you're in the market for PC components and peripherals, check out PC Progress. The site specializes in costeffective memory with a lifetime warranty. You'll find a large selection of memory, including notebook, iMac, and printer RAM.

### postop.com

same-day shipping

This purveyor of hardware and software offers 50,000 computer-related products from 1,300 manufacturers. PC Stop's unusual interface makes shoppers start with a search-you can't just browse.

### pcwonders.com

corporate and educational accounts available . smooth navigation · easy ordering

At pcWonders.com, you'll find more than 90,000 hardware and software products. Additional categories include car audio, home electronics, PDAs, and bargain blowouts.

### pczone.com

printable rebate coupons · smooth navigation · easy ordering

p handling fee on smaller orders

PC Zone boasts an impressive product selection of all things PC-related,

### REVIEWS

including desktops, notebooks, printers, monitors, storage devices, CPU upgrades, and

network equipment-plus PDAs, digital cameras, and portable MP3 players. You'll also find links to an auction area and other

stores: Mac Zone and Zones Business Solutions.

### provantage.com

Extended listing this month. See p. 200.

### www.qualityclick.com

leasing options . easy ordering · good return policy

The Quality Click Web store covers all the basics for PC users, including hardware, networking supplies, accessories, and software. Technical support is available by a toll-free phone number, fax, or e-mail, and sales support by live

### shopper.cnet.com

The CNET Shopper search engine takes the guesswork out of finding a deal on hardware, software, and accessories. The site tracks the prices of more than 100,000 products in 100 stores.

### shoppingplanet.com

Do-it-yourselfers will appreciate Shopping Planet's inventory of barebones systems, add-on cards, and kits. An arm of the site specializing in software and hardware for the Linux operating system is available at shoppingplanet.com/cm/linux.asp.

### www.sparco.com

smooth navigation • easy ordering

Sparco's catalog of more than 130,000 products makes it simple to shop for computer equipment. Looking for that something extra? Check out the list of products that come bundled with "free stuff."

### www.spidergear.com

deals on refurbished equipment.

SpiderGear offers computers, cameras, home audio and video products, car audio items, and appliances. A \$10 optional membership entitles you to reduced prices, an annual rebate, and advance notice of new products.

### www.ssdonline.com

the E-list service stores your product preferences . smooth navigation

At State Street Direct's Web store, shoppers will discover a huge selection of consumer electronics, in addition to computers and imaging products.

### CHECK IT OUT!

### TC Computers Markets Motherboards and More

### tccomputers.com

smooth navigation • easy ordering

In business since 1988, and recently back on the Web after a complete site overhaul, TC Computers sells fully configured systems, motherboards, and name-brand peripherals. The company's specialty, though, is motherboards-it tests each one prior to shipping and bundles a step-by-step installation video.

The site offers many helpful features. The System Configurator helps those building their own PCs. Customer reviews are posted on most products. And if you need to brush up on your technical knowledge, Big Ed's Tech Site, an arm of TC Computers, regularlu serves up details about new motherboards, BIOS upgrades, and other important information.

Digital photographers will find many items of interest.

### staples.com

peruse your history of past purchases, even months later . liberal price-matching policy . smooth navigation . good return policy

Even if a Staples store is just down the block, you might prefer this elegant Web site when shopping for computer accessories, software, and office supplies. If you order similar items often, you can set up personalized lists to avoid filling out a new form every time.

### 2for1inkjet.com

free shipping on orders of six or more items, or at least \$200 . smooth navigation . good return policy

If your printer is putting you in the poorhouse, pay a visit to 2 For 1 Inkjet, where you'll find two-for-one supplies for every brand of inkjet and laser printer, copier, and fax machine.

### 3re.com

smooth navigation • easy ordering . good return policy

Specializing in used computers and rebuilt electronic equipment, 3Re.com takes open-box returns from original equipment manufacturers, and repairs and repackages the machines. Offerings include desktops, notebooks, printers, network equipment, and software.

### tccomputers.com

Extended listing this month. See p. 202.

### tcwo.com

smooth navigation . good return policy

Thompson's Computer Warehouse Outlet Center offers "wholesale computer parts to the public." The selection is small-you may find only a dozen monitors or four CD-ROM drives-but the prices are fantastic. Browse the selection or print out a complete price sheet for easy reference.

### techstore.com

smooth navigation • easy ordering

TechStore offers hardware in dozens of categories, ranging from CPU upgrades

to storage devices. The site also offers a wide range of software-everything from Microsoft applications to children's titles.

### thelinuxstore.com

smooth navigation

If your PC is "penguin-powered," The Linux Store might be your place to shop. The site offers a small selection of hardware and software that's compatible with the popular alternative operating system. The community area offers Linux news, free downloads, and Web links.

### www.thepartsfinder.com

smooth navigation

A friendly site that uses a graphical interface to simplify finding CPU fans. power supplies, cables, and screws, ThePartsFinder.com is targeted at computer hobbyists and corporate buyers. Even the most mundane parts, such as bezels, fans, and batteries, are listed.

### tigerdirect.com

smooth navigation • easy ordering

TigerDirect's site offers custom-built computers, tested and shipped within 48 hours. Shoppers in the mood for an adventure can order a build-it-yourself custom PC kit.

### trudata.com

library of useful free software downloads . smooth navigation

True Data Technology's selection spans desktops, laptops, and palmtops, with an exceptional catalog of motherboards, hard drives, and other upgrade accessories. The site also features communication essentials for businesses, such as DSL equipment and telephony products.

### www.usbstuff.com

Looking for gadgets to plug into your new Universal Serial Bus-equipped computer? USB Stuff has it all, including digital cameras, CD-RW drives, printers, modems, hubs, input devices, cables, and adapters. A sister site at www.firewirestuff.com stocks FireWire/IEEE 1394-compatible hardware.

# REVIEWS

### usedcomputer.com

index of nonprofit organizations accepting computer donations

Used Computer Mall is a marketplace for used computer equipment. Shoppers can list hardware to sell or look for items to buy using the free classified ads. The site can also help you appraise equipment.

### warehouse.com

smooth navigation . easy orderina

The five "warehouses" under MicroWarehouse's roof sell PC hardware and software, Mac products, networking components, and supplies. Go to my.warehouse.com for auctions, free e-mail, and message boards.

### PC DIRECT VENDORS

### aventec.com

cancel an order before it is shipped and incur a \$100 fee

Aventec offers preconfigured Intel- and AMD-based desktop systems. For do-ityourselfers, the site sells the parts to build your own PC, including cases, accessory cards, and a wide variety of motherboards. Check out the Basement for clearance items

### axissys.com

easy ordering . good return policy

The Axis Systems Web store offers a best-price guarantee on its preconfigured notebooks, servers, desktops, and workstations.

### buyabs.com

smooth navigation • good return policy

Offering exceptional customer support on quality desktop

and notebook systems is the goal at ABS. Shoppers can custom-configure a wide variety of PCs.

### buy-atlas.com

good return policy

The Atlas Micro site sells a variety of preconfigured desktop PCs. Buyers can select from computers built around Pentium II and III, Celeron, Cyrix, and AMD processors.

### cybermaxpc.com

downloadable drivers and online tech guide . smooth navigation

CyberMax offers Intel- and AMD-based systems in a wide variety of configurations to suit almost every need. The choices range from speedy desktop machines for gamers to light laptops for business travelers.

### www.cyberpowerpc.com

smooth navigation • good return policy

From the DVD Dream to the Lightning Professional, the computers at Cyberpower have names as good as their warranties-three years, with a 30-day money-back guarantee.

### dell.com

smooth navigation . easy ordering . good return policy

At the forefront of e-commerce, Dell's online store is renowned for its detailed information and ease of use. The site offers custom-built desktop and notebook PCs for home and business.



### www.directplus.compaq.com

smooth navigation • easy ordering . good return policy

Compaq DirectPlus carries desktops, portables, workstations, and servers. The Compaq Factory Outlet at www.compaqworks.com offers



# The best bargains

At Zones.com. we have everything vou need for work or play!

Apple e-Store

@ Zones

zones.com/apple



Apple<sup>®</sup> iMac SE 400MHz Power PC G3, 128MB RAM, 13.0GB hard drive, DVD, USB and FireWire built in

#112624 \$149498

### Supplies :: @ Zones

zones.com/supplies

- Consumables
- Accessories Batteries/

· Presentation Tools

### Executive Essentials @ Zones

zones.com/electronics

- · Personal Electronics Audio
- · Communication · Video
- · Entertainment · Digital

### Clearance @ Zones

zones.com/clearance

- Computers
- · Software
- Hardware
- Accessories . And More!

Linux @ Zones

zones.com/linux

- · Business Apps · Information
- . O. S. \* Downloads

The complete Linux 6.4 package for office and home use!



# Priced for the true bargain hunter!

**Loaded** with features & expandable!



Monitor sold separately

19" monitor just



19" Pixie 950 Display .26mm dot pitch, 1280x1024 resolution

### **HP Pavilion 6635**

533MHz Celeron, 64MB RAM, 10.2GB hard drive, 40X max. speed CD-ROM, 56K modem, 10/100 Ethernet, Microsoft® Windows 98

### UNDER \$800!



### SONY **VAIO J100**

600MHz Celeron, 64MB RAM, 15.0GB hard drive, CD-RW, 10/100, V.90 modem,

\*123607 \$**799**99



### COMPAO

### Presario 7998

1GHz AMD Athlon, 128MB RAM, 40.0GB hard drive, DVD-ROM, CD-RW, 16MB video card, V.90 modem

#114342



Nikon Coolpix 990 Digital Camera

NEW! 3.3 megapixels!



### DIAMOND The ideal digital music player for extreme listening activities!

\$761451 \$169<sup>99</sup>



Fully-powered USB expandability

4-Port USB Hub #118547 \$2999

### Shoot digital video even in total darkness!



DCR-PC100 Digital Camcorder

Digital video camera for the hobbyist and the pro!









Credit cards are not charged until the order is shipped. Most products ship the same day (barring system tailure, idc.). Shipping options include Ground, 2nd Day and Overnight delivery, Freight is based on average product weight. Handling extra. Insurance available. Special orders may require special shipping and handling charges. Call for international shipping rates. Prices and product variability subject to change without notice. Specials and promotions may be limited to stock on hand. Not responsible for typographical errors. All products sold by Multiple Zones international (MZI) are three party products and are subject to the warranties. A representations of products exceed an explication of the warranties are representations of the warranties. The representation of product sold. ©2000 Multiple Zones are registered trademarks of the Apple Computer, Inc..

# and values are online at Zones.com!





Make going back to school easier!

\$20 REBATE!



### \$10 REBATE!



#117258 \$1499\* \*After \$10 mtr. mail-in rebi Low Zone price: \$24.99.



#600583 3499 Learning Co.



Learning Co.

Zones Choice Hard Drives!

### \$100 PRICE DROP!



### Acer (

### TravelMate 600TER

600MHz Pentium III, 64MB RAM. 12GB hard drive, CD-RW, 13" TFT, V.90 modem, Microsoft® Windows 98

\*114323 \$2399<sup>98</sup>



. 16-hour charge for over 4X the runtime as standard batteries

Weighs only 1 pound

Introductory Price! \$49999

**Electrofuel PowerPad 160 Notebook Battery Pack** 

Avoid expensive repairs - extend your warranty!

NATIONAL WARRANTY CORPORATION Enhanced On-site Support Service

#123501

SONY **VAIO F540** 

500MHz Pentium III, 64MB RAM,

6GB hard drive, 8X max. DVD, 14.1" TFT SVGA, V.90 modem, Microsoft<sup>®</sup>

Northwest Warranty Corporation provides you with service assistance from the date of purchase. You won't pay for shipping or repairs (on qualified products) during the term of the agreement. When you need service, simply call NWC's toll-free customer claims line and NWC will advise you of the fastest way to get your equipment up and running. We offer terms of 3, 4 and 5 years.

# ADD DVD to your notebook! DVD PC-Card External Notebook Drive



Corporate bids welcome! Fax to 1-888-239-2591 A NASDAQ\* COMPANY Ticker Symbol: MZON

Source Code CS080



Mfr. Part CapacityInterface **EIDE Drives** 10.2GB Ultra DMA/66 Quantum 7200 QMP10200LM-A 15.0GB Ultra DMA/66 Maxter ST0151500U #681037 \$129.99 20.0GB Ultra DMA/66 Maxtor 7200 52049U4 #686425 \$159.99 30.0GB Ultra DMA/66 Maxtor ST0153000U SCSI Drives 9.1GB SCSI 2 Int. Seagate ST410800N SCSI 2 Ext ST410800NX #116587 \$149.99 9.1GB 18.0GB Ultra SCSI Ext. La Cie 18.3GB UW SCSI 2 WD #119170 7200 104150 \$399.99 E18300-0049 \$249.99 7200 #600349 36,7GB UW SCSI 160 Quantum 7200 QM336700XC-LW

Order by Phone 1.800.252.0286 Order Online Today

discounts on refurbished and new overstocked merchandise.

### e4me.com

smooth navigation

With PCs starting at \$399, eMachines has found its niche in low-cost desktop and laptop computers. The site offers optional add-ons for your system, including a three-year extended service warranty, Internet access, and two sizes of monitors.

### fpcdirect.fujitsu-pc.com

smooth navigation • good return policy

Purchase Fujitsu notebook computers from the source. This Web site offers personal, business, and multimedia notebook computers, with several warranty options on each, Check the Refurbished Outlet for deals.



### www.gateway.com

smooth navigation • easy ordering • good return policy

One of the biggest names in online computer sales, **Gateway** serves small businesses, corporations, educational institutions, government bodies, and home users. Its site sells desktops, portables, and a complete line of accessories.

### ibm.com/shop

smooth navigation • easy ordering • good return policy

Once synonymous with the phrase "personal com-

"personal computer," IBM still pushes the envelope. Its site offers business and home computers, notebooks, servers, thin clients, and

the networking equipment to hook them all together.

### kaypro.com

smooth navigation

Kaypro's first computer, released in the early '80s, used a Z-80 processor and ran the long-forgotten CP/M operating system. Today, the company's Web site sells decidedly more modern desktop computers, allowing shoppers to custom-configure Pentium III systems.

### micronpc.com

smooth navigation • good return policy

One of the largest direct PC vendors, micronpc.com has a Web sales site broken into clear divisions to suit many types of customers, including home-office users, large businesses, government buyers, and buyers outside of the United States.

### nutrend.com

smooth navigation

Custom-configure a home or business PC at NuTrend. The company offers a wide selection of desktop machines running your choice of Intel or AMD processors, each with a three-year warranty.

### www.quantex.com

smooth navigation

Desktops, notebooks, servers, workstations, and peripherals—all are offered at Quantex's Web store. Shoppers who need assistance can get instant help using the site's live customer-service chat system. A community area allows Quantex PC users to keep in touch.

### www.sagernotebook.com

leasing options available
 smooth navigation • good return policy

Specializing in portable computers, Sager offers its customers a variety of note-book-computing options, from budget-minded machines to speedy multimedia units. The one-year warranty includes a 72-hour repair-turnaround guarantee.

### www.shopacer.com

smooth navigation • easy ordering

Notebooks, desktops, and accessories are for sale at Acer's site, in addition to

### SITE REVIEWS



ready-to-use PC bundles for home, business, and education. Reconditioned systems are available at the Acer Outlet.

### shopprostar.com

smooth navigation • good return policy

Each computer in **ProStar's** line of notebook PCs is backed by a 30-day money-back guarantee, a speedy repair promise, and free tech support.

### store.apple.com

smooth navigation • easy ordering

Apple's easy-to-use online store allows buyers to custom-configure the company's Power Mac G4, PowerBook, iMac, and iBook computers. A wide array of Mac-compatible software and accessories is also available.

### vaiodirect.sel.sony.com

smooth navigation • good return policy

VAIO Direct sells Sony's line of desktops, notebooks, digital cameras, displays, and storage devices. The Xtras Direct arm offers add-ons for PCs, digital cameras, and other equipment.

### www.winbook.com

smooth navigation • good return policy

Focusing exclusively on notebook computers, WinBook offers machines with a 30-day money-back guarantee, a one-year warranty, and free technical support.

### INTERNET SERVICE

### www.att.net

AT&T WorldNet offers 450 local access numbers. The standard pricing plan is \$19.95 per month for 150 hours of access. For \$2 more, power users can get unlimited access. Families and Websmiths will appreciate the whopping 60MB of Web-page space and six e-mail addresses.

### compuserve.com

Owned by America Online, the CompuServe service is aimed at professionals and is more powerful than AOL. Access is \$9.95 per month for 20 hours, or \$19.95 for unlimited access. Customers get seven e-mail addresses and 5MB of Web-page space.

### csg.sprint.com/internet

Unlimited access to Sprint Earthlink costs \$19.95 a month (\$2 less if you are a Sprint long-distance customer). The service provides 6MB of Web-page space and an impressive 1,400 local-access phone numbers nationwide.

### free.msn.com

no access to Usenet newsgroups

MSN Internet Access costs \$21.95 per month for unlimited access, and the first month is free. You'll also find more than 800 U.S. and international access numbers. The service is not available for Mac users. MSN provides 12MB for Web pages.



### www.mciworld.com

MCI WorldCom offers more than 750 local access numbers across the United States. It costs \$19.95 for up to 150 hours of access each month (\$3 less if you are an MCI long-distance customer). Additional online time is 99 cents an hour.

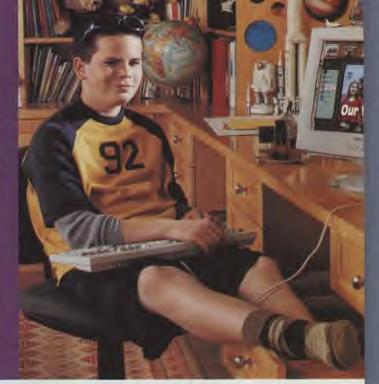
### www.newaol.com

Known for its ease of use, America
Online is the nation's most popular ISP.
It offers many pricing plans, including
one for \$21.95 per month that gives
unlimited access. Extras include
members-only forums. 14MB of Webpage space, and seven e-mailboxes.

### prodigy.com

A \$19.95 monthly fee buys unlimited access to **Prodigy Internet**. Low-usage and deluxe-access plans are also available. Users get 6MB of Web-page space. Accounts come with only one e-mail address, but you can add five additional ones for \$2 extra.

17 hours of our trip to Mt. Rushmore edited down to 4 thrilling minutes.





### DELL" DIMENSION" L Series

### Dell's Movie Studio

- Intel® Pentium® III Processor at 667MHz
- 64MB SDRAM
- 10GB<sup>c</sup> Ultra ATA Hard Drive
- 17" (16.0" vis, .28dp) E770 Monitor
- Intel® 3D® AGP Graphics
- 8X/4X/32X Max CD-RW Drive
- SoundBlaster 64V PCI LC Sound Card
- harman/kardon Speakers
- V.90 56K Capable\* PCI Telephony Modem for Windows\*
- MS\* Works Suite 2000 MS\* Windows\* 98, SE
- IEEE 1394 PCI card with MGI VideoWave\* III Digital Editing Software, Dell" Edition
- 3-Yr Limited Warranty<sup>1</sup> 1-Yr At-Home Service<sup>1</sup>

### 299 © E-VALUE CODE 05845-500712m

DELL RECOMMENDED UPGRADE:

■ Canon® ZR10 Digital Video Camcorder, add \$899

### The Dell™ Movie Studio. Movie Making made easy.

With our New Dell™ Movie Studio Solution, you'll be editing digital videos, adding soundtracks, selecting still images, and e-mailing your brilliance to the world faster than you can say "that's a wrap." Dell Movie Studio comes pre-tested and factory-loaded on select Dimension™ desktops, featuring powerful Intel® Pentium® III processors. And, of course, it's all backed by Dell's award-winning technical support. Dell Movie Studio. It's just one more way Dell4me™ helps your family get the most out of your PC. For more information go to www.dell4me.com/moviestudio





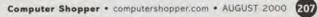
contact us today

800.825.0044

www.dell4me.com



Includes Windows 98, Second Edition — the home version of the world's favorite software.





# build your own computer.

[no safety goggles necessary.]

We're committed to helping you get the most out of your PC. That's why the Dell4me™ total ownership experience includes the latest Dell™ products and services, many of which you can access online at dell4me.com:

INTEL® PENTIUM® III PROCESSORS up to 1GHz. For pure processing power on our Dell™ Dimension™ desktops. Supplies are limited, don't get left in the dust. And now 750MHz of processing power is available on Inspiron™ notebooks.

DELL MOVIE STUDIO: The magic of the movies made easy. Capture, create, and share movies using the factory-installed 1394 Card with MGI VideoWave\* III Digital Video Editing Software, Dell Edition. Available on select Inspiron and Dimension systems - www.dell4me.com/moviestudio

NEW 45GB<sup>®</sup> and 75GB<sup>®</sup> HARD DRIVES available on Dimension XPS B Series desktops. Loads of capacity to store digital videos, still images, and MP3 files.

AT-HOME SERVICE. Next-Business-Day Service\* is available with every Dell Home System. If you have a problem, call 24x7 for a tech to troubleshoot with you over the phone. If hardware support is needed after phone-based troubleshooting, a technician can be sent to your home or wherever you may be when you're on the road with our Inspiron notebooks.



### DELL™ NOTEBOOKS:

### DELL" INSPIRON" 3800

### Design and Affordability

- Intel® Celeron® Processor at 500MHz
- 12.1" SVGA Active Matrix Display
- 32MB 100MHz SDRAM ■ 4.8GB\* Ultra ATA Hard Drive
- Modular 24X Max CD-ROM
- 2X AGP 8MB ATI RAGE Mobility"-M1 3D\* Video
- 53WHr Lithium Ion Battery with ExpressCharge" Technology
- MS\* Works Suite 2000 MS\* Windows\* 98, SE
- 1-Yr Limited Warranty<sup>2</sup>
- 1-Yr Next-Business-Day On-site Service\*

\$1449 @ E-VALUE CODE

As low as \$40/Mo., for 48 Mos.

### DELL" INSPIRON" 5000

### Performance and Mobility

- Intel® Pentium® III Processor at 650MHz Featuring Intel® SpeedStep™ Technology™
- 14.1" XGA TFT Display
- 32MB 100MHz SDRAM
- 6.0GB\* Ultra ATA Hard Drive
- Modular 24X Max CD-ROM
- 2X AGP 4MB ATI RAGE Mobility"-P 3D\* Video
- 52WHr Lithium Ion Battery
- Internal V.90 56K Capable® FaxModem
- MS\* Works Suite 2000 MS\* Windows\* 98, SE
- 3-Yr Limited Warranty<sup>1</sup>
- 3-Yr Next-Business-Day On-site Service\*

99 @ E-VALUE CODE 05846-800719a

As low as \$55/Mo., for 48 Mos."

### DELL" INSPIRON" 7500

### Mobile Desktop

- Intel® Pentium® III Processor at 650MHz Featuring Intel® SpeedStep® Technology®
- 15.4" Super XGA TFT Display
- 96MB 100MHz SDRAM
- 12GB<sup>0</sup> Ultra ATA Hard Drive
- Removable Combo 24X Max CD-ROM with Floppy Drive
- 2X AGP 8MB ATI RAGE Mobility"-P 3D\* Video
- 79WHr Lithium Ion Battery
- Internal V.90 56K Capable FaxModem
- MS\* Works Suite 2000 MS\* Windows\* 98, SE
- a 3-Yr Limited Warranty
- 3-Yr Next-Business-Day On-site Service\*

E-VALUE CODE 05846-800727

As low as \$76/Mo\_ for 48 Mos."

### DELL" DESKTOPS:

### DELL" DIMENSION" L Series

### Affordable Desktop Solution

- Intel® Celeron™ Processor at 500MHz
- # 64MB SDRAM
- 7.5GB° Ultra ATA Hard Drive
- 15" (13.8" vis) E550 Monitor
- Intel® 3D® AGP Graphics
- 48X Max CD-ROM Drive
- SoundBlaster 64V PCI LC Sound Card
- PC Speakers
- V.90 56K Capable® PCI DataFax Modern for Windows\*
- MS\* Works Suite 2000 MS\* Windows\* 98, SE
- 3-Yr Limited Warranty\* 1-Yr At-Home Service\*

99 @ E-VALUE CODE 05846-500707



As low as \$22/Mo., for 48 Mos.

### DELL" DIMENSION L Series

### Affordable Desktop Solution

- Intel® Pentium® III Processor at 667MHz
- 64MB SDRAM
- 7.5GB<sup>s</sup> Ultra ATA Hard Drive
- # 15" (13.8" vis) E550 Monitor
- Intel® 3D® AGP Graphics
- # 48X Max CD-ROM Drive
- SoundBlaster 64V PCI LC Sound Card ■ PC Speakers
- V.90 56K Capable\* PCI DataFax Modem for Windows\*
- MS\* Works Suite 2000 MS\* Windows\* 98, SE
- 3-Yr Limited Warranty\* 1-Yr At-Home Service\*



899 @ E-VALUE CODE 05846-500708

As low as \$25/Mo., for 48 Mos."

### DELL" DIMENSION XPS T Seni

### High Performance, Great Value

- Intel® Pentium® III Processor at 700MHz
- 128MB SDRAM
- 20GB<sup>o</sup> Ultra ATA Hard Drive
- 17" (16.0" vis, .26dp) M781 Monitor
- 32MB NVIDIA GeForce AGP Graphics Card
- # 48X Max CD-ROM Drive
- SB Live! Value Digital Sound Card
- Altec Lansing\* ACS-340\*\* Speakers with Subwoofer
- V.90 56K Capable\* PCI Telephony Modem for Windows\*
- MS\* Works Suite 2000 MS\* Windows\* 98, SE
- 3-Yr Limited Warranty<sup>3</sup> 1-Yr At-Home Service<sup>4</sup>

499 @ E-VALUE CODE 05846-500714



As low as \$41/Mo., for 48 Mos.!

### DELL DIMENSION XPS 8 Sen

### Cutting-Edge Technology

- Intel\* Pentium\* III Processor at 933MHz
- 128MB RDRAM
- 30GB\* Ultra ATA Hard Drive
- 17" (16.0" vis, .24 .25AG) P780 FD Trinitron\* Monitor
- 32MB NVIDIA GeForce 4X AGP Graphics Card
- 12X Max DVD-ROM Drive
- . SB Live! Value Digital Sound Card
- Harman Kardon HK-595 Surround Sound Speakers with Subwoofer
- V.90 56K Capable\* PCI Telephony Modern for Windows\*
- MS\* Works Suite 2000 MS\* Windows\* 98, SE ■ 3-Yr Limited Warranty = 1-Yr At-Home Service\*

© E-VALUE CODE 05846-500723

As low as \$66/Mo., for 48 Mos.!

### DELL" UPGRADES:

### SOFTWARE & PERIPHERALS

- Epson® Stylus Color 740 \$99 after \$50 Epson® Mail-In Rebate (Reg. \$149)\*\*
- HP\* DeskJet\* 952C \$249 after \$50 HP Mail-In Rebate (Reg. \$299)\*\*
- HP\* DeskJet\* 932C, add \$199

### Scanners:

- HP\* ScanJet\* 4200, add \$149
- UMAX 2100U, add \$89

### Power Protection:

- Pro 8T2 SurgeArrest, add \$39
- APC SurgeArrest Per 7, add \$17.95

- Ultimate Action Game 5-pack (Dimension only)16, add \$99
- Home Reference 4-pack\*\*, add \$79

### SERVICES

### Internet Service:

■ 1-Yr Dellnet™ Internet Access\* with 20MB of Online Backup12, add \$99

### Service Upgrades:

- Dell\*\* Dimension\*\* Premier 3-Yr At-Home Service<sup>1</sup> add \$99
- Dell™ Inspiron™ 3800 Notebook 3-Yr Next-Business-Day On-site Service\*, add \$149

### Payment Solutions:

- Dell\*\* Platinum Visa Card
- Dell" 48-Month Purchase Plan"
- Dell<sup>™</sup> E-Check

(automatic checking withdrawal)



Includes Windows 98, Second Edition the home version of the world's favorite software.

"Includes 150 hrs./month, plus \$1.50/hr. (or (raction) over 150 hours. #800/888/877 access charged \$4.95/hr. extra. Excludes taxes and telephone charges. Additional \$1.00/hr. surcharge in HI and AK. "Monthly payments based on 13.99% APR. APR FOR QUALIFIED CUSTOMERS VARIES BY CREDITWORTHI-NESS OF CUSTOMER AS DETERMINED BY DELL FINANCIAL SERVICES L.P. Taxes & shipping charges extra, and vary, they are due with 1st payment unless included in the amount financed. Purchase Plan from Dell Financial Services LP. to U.S. state residents (including D.C.) with approved credit, excluding AR and MN residents. Availability may be limited or offer may vary in other states.

Prices, specifications, and availability may change without notice. Taxes and shipping charges extra, and vary. Cannot be combined with other offers or discounts. U.S. only, Offer valid for Dell Home Systems Co. only. For a copy of our Guarantees or Limited Warranties, write Dell USA L.P. Attn: Warranties. One Dell Way, Round Rock, Texas 78682. 'At-Home or on-site service provided via third-party contract with customer. Availability varies. Technician will be dispatched, if necessary, following phone-based troubleshooting. To receive Next-Business-Day service. Dell must notify the service provider. before Som (customer's time). Other conditions apply. For hard drives, GB means 1 billion bytes; accessible capacity varies with operating environment. 'Download speeds limited to 53Kbps. Upload speeds are less (about 30Kbps) and vary by modem manufacturer and anline conditions. Analog phone line and compatible server required. "Online backup services provided by third-party agreement with the customer, Limited to 20MB of storage; additional space available at additional charge Dell is not responsible for lost data. "Software, packaging and documentation differ from retail versions. "The processor may be reduced to a lower operating speed when operating on battery power, "For rebate details and coupons, call 805-728-9665 for HP and 800-277-6187 for Epson. Intel, the listel Inside logo, and Pentium are registered trademarks, and Intel SpeedStep and Celeron are trademarks of Intel Corporation. MS, Microsoft, and Windows are registered tredemarks of Microsoft Corporation, HP and DeskJet are registered trademarks of Hewlett-Packard Corporation. Trinitron is a registered trademark of Sony Corporation. @2006 Dell Computer Corporation, All rights reserved.



my notebook comes with next-day on-site service, and this afternoon I'll know where that is.





### DELL" INSPIRON" 3800

### Design and Affordability

- Intel® Celeron® Processor at 500MHz
- 12.1" SVGA Active Matrix Display
- 32MB 100MHz SDRAM
- 4.8GB¹ Ultra ATA Hard Drive
- Modular 24X Max CD-ROM
- 2X AGP 8MB ATI RAGE Mobility"-M1 3D\* Video
- 53WHr Lithium Ion Battery with ExpressCharge™ Technology
- MS\* Works Suite 2000 MS\* Windows\* 98, SE
- 1-Yr Limited Warranty
- 1-Yr Next-Business-Day On-site Service\*

449 @ E-VALUE CODE 05847-800714

**DELL RECOMMENDED UPGRADE:** 

■ Upgrade to 3-Yr Limited Warranty<sup>3</sup> and 3-Yr On-site Service; add \$149

### Tell us where you are. Someone will come and fix your notebook. It's that simple.

Go ahead and ride like the wind. And don't forget to bring your notebook with you. Because wherever you end up in the 50 states, it's probably a place where a technician can arrive on-site to fix your notebook if something goes wrong. If you have a problem with your notebook, give us a call 24x7, for a tech to troubleshoot with you over the phone. Then, if hardware support is needed, a technician can be sent to wherever you are. It's called Next-Business-Day On-site Service' and it's available with every Inspiron™ notebook we sell. Of course, chances are you'll never need someone to drop by. But if you ever do, just find a phone. Dell4me™ is all about helping you get the most out of your PC. Our award-winning service and support is just one of the ways we're making it happen.





contact us today

800.825.0044 www.dell4me.com Dell@com



Includes Windows 98, Second Edition - the home version of the world's favorite software.

#### PC RESOURCES

#### cablemodeminfo.com

helps you find a cable-ready ISP

Internet addicts considering upgrading to a cable modem-as well as users who have already made the jump-will find a cornucopia of information at Cablemodeminfo.com, You'll find reviews of cable-modern hardware and tips on sharing a modern between PCs.

#### dailyedeals.com

smooth navigation

Before placing an order at your favorite e-commerce site, open a window to DailyeDeals. Its coupon pages offer codes that will instantly shave \$5 to \$20 off the bottom line at major online retailers. The First Time area links to sites that offer substantial discounts to first-time customers.

#### dcresource.com

message board • links to digitalcamera stores

The Digital Camera Resource Page is an unbiased, comprehensive source of information for digital-camera buyers and owners. Shoppers will enjoy the FAQ page, buyer's guide, and reviews.



#### dealtime.com

site can alert you to new deals that meet your specifications by pager, e-mail, or Desktop Notifier software · smooth navigation

DealTime is an independent comparison-shopping service that helps you decide where to buy online. The site aggregates prices from hundreds of merchants, auctions, and classified sites.



#### expertcity.com

Extended listing this month. See this page.

#### 56k.com

downloads of the latest modem firmware . smooth navigation

Don't buy a new modem until you've visited 56K Modem Central. Start with the primer on 56Kbps modems, learn the difference between technologies, then use the price shopper to find a model at the best price.

#### www.ftc.gov



The Federal Trade Commission's Web site is packed with useful information for consumers. The content covers the spectrum of consumer fraud and how to avoid it-online and offline. Articles address online auctions and protecting yourself when shopping on the Net.

#### gomez.com

smooth navigation

Gomez.com offers ratings and customer reviews of e-commerce sites in two dozen categories, ranging from Web-based computer stores to drugstores, apparel shopping to online brokers. Read other customers' reviews and check their ratings on ease of use, customer confidence, and cost.

#### help-site.com

imks to more than 900 documents . smooth navigation

Help-Site is a great place to find FAQ lists, tutorials, manuals, and official as well as unofficial support. You'll find documentation on DOS, Windows, OS/2, and even Unix and VAX/VMS systems.

#### helptalk.com

smooth navigation

Helptalk offers free assistance for most Windows software and hardware. The site hosts 30 message boards where you can ask questions about applications, operating systems, and programming.

#### modemhelp.com

smooth navigation

#### REVIEWS



ModemHelp provides technical support for modem users and a hearty list of links to other modem-related sites. You'll find tutorials, information on upgrading modems, tools for diagnosing problems, and discussion forums.

#### nextag.com

product reviews available · smooth navigation

NexTag is a sophisticated buying service that can help frugal shoppers find the lowest possible prices on computer equipment, electronics, books, music, and videos. Entering your ZIP code allows NexTag to calculate shipping and tax for accurate pricing.

#### productreviewnet.com



smooth navigation

Product ReviewNet collects abstracts of all sorts of products, including computers, appliances, sports equipment, and automobiles. Each abstract includes a citation (for magazine articles) or a link (for online reviews). The site includes a handy best-price search function.

#### www.thepubliceye.com

customer-satisfaction database · smooth navigation

Find Internet businesses that deliver the best service-and avoid the ones that don't-with ePublicEye.com, a customer-service rating site. The site

uses secret shoppers who patronize Internet businesses, conducting audits and rating the service of each business.

#### rammatters.com

Flash 4 plug-in required for maximum effects

RAM Matters humorously explains how adding memory to your computer will

make you more productive, and, so the site claims. better-looking. You'll get help in determining



the type of memory your computer requires, plus installation tips.

#### scambusters.com

information on viruses-real and fake

Internet ScamBusters is a site and a newsletter aiming to help Net users avoid getting cheated. Each newsletter focuses on a single type of scam, ranging from the merely annoying to the downright dangerous. Scams that target online shoppers are also covered.

#### usb.org

message board fields questions · smooth navigation

Go to this site for technical information about the Universal Serial Bus, as well as answers to frequently asked questions and information about devices that use the bus. You'll find information for end users as well as developers.

#### CHECK IT OUT!

#### **Expertcity Promises Real** Help From Real People

#### expertcity.com



smooth navigation

p currently no support for Mac or Unix operating systems

Stuck with a stubborn computer situation and don't know where to turn? Expertcity promises live, 24-hour assistance from a real human being. Help is available via a Web chat window or by telephone. A special browser plug-in allows experts to see what's on your computer screen and draw instructions on it like a whiteboard.

When you pose a question, experts across the Internet bid for your business. You can read their profiles, compare prices, then choose one you like. Most question fees range from \$5 to \$20, and you only pay if you're satisfied with the help you received.

#### windrivers.com

smooth navigation

WinDrivers.com is a comprehensive archive of drivers and DLL files for hard drives, sound cards, scanners, and other hardware. The site also provides links to antivirus updates and BIOS upgrades.

#### www.worldowindows.com

hundreds of downloadable drivers · smooth navigation

World O' Windows is a collection of useful news, resources, and tips about current and future versions of Microsoft Windows. Information and user tips abound. The site can be invaluable if you're considering upgrading or if your recent upgrade is causing problems.

#### SOFTWARE SITES

#### accountingshop.com

get credit for your old QuickBooks or Peachtree software when you upgrade . smooth navigation

The Accounting Shop Web store focuses entirely on accounting software. Shoppers can choose from an extensive catalog of high-end, midrange, and small-business packages, including AccuBooks, Business Works, MAS 90, and Peachtree, Easyto-understand charts let you compare products by type, function, or price.

#### beyond.com

smooth navigation . easy ordering . good return policy

Beyond.com is a surefire hit for PC and Mac software shoppers. Zoom in on the most popular software by viewing the top 10 sellers in a category. Beyond

beyondoo

also offers extensive specs and customer reviews.

#### buycheapsoftware.com

smooth navigation . easy ordering . good return policy

The name says it all: Here you can Buy Cheap Software. This site offers a relatively small selection-about 300 titles-but it does sell popular programs from well-known publishers, including Adobe, Corel, Lotus, and Microsoft.

#### buyonet.com

- site available in six languages
- · software available in 20 languages
- · smooth navigation · easy ordering
- · good return policy

Buyonet specializes in downloadable commercial software. Hundreds of business applications, utilities, and games are available for download. For a nominal fee, shoppers can order a CD-ROM backup of purchased software.

#### chumbo.com

special orders accepted . smooth navigation • easy ordering • good return policy

Chumbo.com's impressive selection includes traditional boxed software and downloadable titles. Shoppers can preorder software for shipment the day it is released, or peruse the selection of DVD movies.

#### cws.internet.com

free e-mail summary of software updates . smooth navigation

Stroud's Consummate Winsock Applications List is the ultimate onestop download site for the latest and greatest in Internet software. Find and download Web development tools, browsers, and chat clients. You'll find comprehensive file lists, ratings, and extensive reviews.

#### dealdealdeal.com



smooth navigation

Dealdealdeal offers office suites, utility software, graphics programs, operating systems, games, and edutainment software. Although the selection isn't massive, shoppers will find a nice mix of new software and older titles-handy. whether you're looking for Microsoft Office 2000 or Office 97.

### SITE REVIEWS

#### download.com



smooth navigation

When you're looking for shareware or free software, Download.com is a fine starting point. Well-written newsletters and down-to-earth reviews will help you find the perfect programs. The site links to tens of thousands of files of PC, Mac, Linux, Windows CE, and Palm software.

#### freewarefiles.com



smooth navigation

Windows users who want great software without having to spend any money can start at Freeware Files. This Web site offers links to gratis business applications, screen savers, games, and many other types of software. It features quick links to the most popular giveaways.

#### gamedealer.com

smooth navigation • easy ordering . good return policy

GameDealer.com offers software for a multitude of video-game consoles. You can browse by platform or seek out the type of game you prefer, such as sports simulations or family games. Check out the new releases, or preorder from the list of upcoming titles.

#### jumbo.com



smooth navigation

Jumbo is the perfect name for this monstrous file archive. In addition to programs for sale, you'll find thousands of commercial-application demos.

along with loads of share-



ware and free software.

#### mightyscholar.com

smooth navigation . good return policy

It can be hard to find educational software that's right for your children's ages and learning needs. Mighty Scholar sells handpicked educational software, categorized by age range and subject.

#### 999central.com

 buy seven programs, get one free · smooth navigation · good return policy

The 999central.com site offers 500 programs, each for \$9.99. Shoppers can find a wide variety of software here, although educational, entertainment, and lifestyle programs are the most common.

#### soft4u.com

- free shipping on orders over \$300
- · smooth navigation · easy ordering
- · good return policy

Soft4U specializes in software for businesses, resellers, schools, and government offices. The company offers same-day shipping on most software. Special prices are available for staff and students at academic institutions.

#### www.softwarebuyline.com



smooth navigation

Software BuyLine has a massive selection of software titles for Windows, Mac OS, and Linux. The site sells Windows CE and Palm applications, too. Prices here are usually among the best. You'll also get easy access to product rebate information.

#### softwareshowcase.com

Software Showcase provides academic discounts on software, hardware, and computer books. To qualify for educational pricing, you must be an employee or student at an accredited educational institution.

#### softwarespectrum.com

Offering "smart solutions for smart companies," Software Spectrum's online catalog serves up 80,000 titles. Aimed at large and small businesses, the site provides frequent shoppers with purchasing-pattern reports, plus pricing and invoicing in a choice of currencies.

#### tucows.com

mirror sites speed downloads · smooth navigation

Bovine bliss: Tucows is an incredible archive of freeware and shareware. The category list and reviews make it easy to find the software you're seeking. In



# SUBSCRIPTION SAVINGS

Annual Newsstand Price

\$47.88

Return this voucher today to save up to 53% when you subscribe to Computer Shopper—America's leading direct buying source for computer product buyers: DOUBLE BONUS; the Interactive Companion CD-ROM and Multimedia MegaPac CD-ROM — BOTH FREE with your paid order.

۰	ŧ		۰		
			ì		
,	9		į		
ı	3		ì		
ı	į	į	1	i	
3	Ö	į	9	ı	
,	ŝ		ì	ı	
į			)	ı	
Į	5				
۲		ø			

2
issues
2
2
-
63
year
-
-
***
200
-
-5
48%
60
4
ш
>
A.
SAVE

Your One-Year Savings Price

\$24.97

SAVE 53% - Get 2 years/24 issues for S44.97

	Double Bonus	CD-ROMS	Annual newsstand price \$47,88. Non-U.S. ad	5SGR5 Allow 3-6 weeks for delivery.
(trinse print)				☐ Payment enclosed. ☐ Bill me later. 55
Name	Сотрапу	Address	City/State/Zip	E-mail

Point your Web browser to — http://www.cshopper.com

# BUSINESS REPLY MAIL FIRST-CLASS MAIL PERMIT NO. 66 BOULDER, CO

POSTAGE WILL BE PAID BY ADDRESSEE



PO Box 51020 Boulder, CO 80323-1020

Halillandballadhallandllandllandl

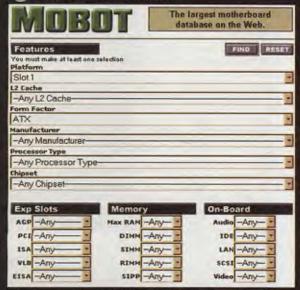
NO POSTAGE NECESSARY IF MAILED IN THE UNITED STATES



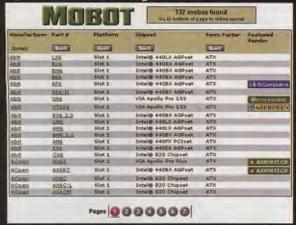
# Introducting Moreor

With over 2000 motherboards searchable by 21 different specs, Mobot is the easiest and most comprehensive motherboard database in the universe.

1 Search 21 Fields



View Matching Results





Motherboard HomeWorld has been serving the motherboard community for over 3 years. Along with Mobot, we provide many useful tools, articles, and reviews about motherboards. If you need information related to motherboards, there is only one place to go.

Mobo Search
Forums
Manufacturers
MoboCop
Mobot
Spot
Vendors

News & Reviews
Buying Tips
News
Product Releases
Recommendations
Reviews
Updates

Mobo Guides
Basics
BIOS
Chips
Chipsets
CPU Sockets/Slots
Doc OverClock
Expansion Slots
Form Factors
How To Build a PC
Installation

FREE Editorial Information Site

MOTHER BOARD HOME WORLD

www.motherboards.org

the eBarn area, you can pay for, register, and download commercial software.

#### FINANCIAL SERVICES

#### www.americancentury.com

stock, bond, and option trading · retirement services · smooth navigation

Whether you are a conservative, moderate, or aggressive investor, American Century has a fund targeted to your

#### ameritrade.com

sophisticated tools for options traders . smooth navigation

Offering a variety of IRAs, mutual funds, and other investment services, Ameritrade features low com-



missions for Internet, phone, and broker-assisted investing. Clients can receive timely information about stocks in their portfolios, by e-mail, pager, or mobile phone.

#### bondsonline.com

daily bond-market commentary . daily pricing of U.S. Treasury securities

Bonds Online offers market information about tax-free municipal bonds, Treasury bonds, funds, and brokers. You can also buy software that will calculate the prices and yields of your bonds.

#### clearstation.com

discussions about stocks and trading strategies . track an unlimited number of portfolios . smooth navigation

ClearStation is a financial-advisory Web site that helps investors make decisions by identifying and interpreting stock trends.

#### datek.com

free real-time quotes • afterhours trading . smooth navigation

Investors can build their own portfolios at Datek, using online resources to make educated decisions. The commission for most online trades is \$9.99.

#### www.edgar-online.com

search the SEC database historical data dating back to 1994

· smooth navigation

For up-to-date financial reports on companies, Edgar Online is a great place to start. Premium subscribers enjoy real-time SEC filings, insider transaction filings, and custom company watch lists.

#### etrade.com

community area offers discussion groups and online events

ETrade investors can learn about companies, then build and manage their own stock portfolios. Amenities include free streaming NASDAQ Level II quotes. IPO allocations, and real-time updates.

#### REVIEWS



#### hoovers.com

4,000 company profiles . upcoming IPOs featured . smooth navigation

Hoover's Online offers countiess resources for financial research. Free tools include daily financial headlines and the Stock Screener.

#### ino.com

option chains . free end-of-theday updates by e-mail . smooth navigation

Devoted to futures and option trades, Ino.com offers a comprehensive site that includes daily financial headlines, quotes and charts, and lively forums.

#### kiplinger.com

forums let users ask questions and discuss financial topics . financial software and videos . smooth navigation

Kiplinger.com contains a vast array of financial information. Departments include taxes, insurance, investments, and home. Each area includes several articles and columns.

#### quicken.com/small business

 buy accounting software, stamps, and checks . smooth navigation

The Quicken site offers copious information for small-business owners. You'll find insightful articles on accounting, payroll, and taxes. Check the benefits and retirement page to learn how to choose an IRA, create a benefits policy, or provide health insurance.

#### schwab.com

24-hour customer service by phone and e-mail . special services for high-volume traders

Online investors can get help planning for college, retirement, or a rainy day at Charles Schwab. This site offers myriad investing options, as well as research and planning services.

#### stockmaster.com

create custom investment profiles · message boards for investment discussions . smooth navigation

StockMaster will tell you the trading price and details of any stock or investment fund, providing instant graphs of that stock's activity. A subscription service provides access to Baseline Company Profiles of more than 7,000 companies.

#### wallstreetcity.com

intuitive explanations of stock trends . free 30-day trial

Wall Street City's free services include quotes and graphs, real-time market commentary, and analyst reviews. Paying a monthly subscription fee adds access to historical quotes and portfolio monitoring.

#### waterhouse.com

offers checking accounts with electronic bill payment

At TD Waterhouse's Web site, the money-minded will find brokerage, banking, and mutual-fund services, Waterhouse freely makes available company news, reports, and charts to investors with inquiring minds. Online stock trading costs a flat \$12 per transaction.



#### wingspanbank.com

Extended listing this month. See this page.

#### www.wsrn.com

stock screener . links to publications on economy, equity, and markets

Wall Street Research Net offers thousands of links to help professional and private investors perform research on

companies and mutual funds and locate Important economic



data. Brokerage reports and historical stock-price data are available for a fee.

CHECK IT OUT!

#### Wingspan Lets You Bank Virtually Anytime, Anywhere

#### wingspanbank.com



smooth navigation

One of the new breed of Internet banks, WingspanBank.com offers a full range of banking, loan, brokerage, and insurance services. Convenient banking options include interest-bearing checking accounts with direct deposit, as well as online bill-payment services. Credit cards, certificates of deposit, and financial-planning tools are also available. All tasks, from checking your account balance to applying for a home loan, can be carried out entirely on the Web.

Because the bank has no physical branches, Wingspan will reimburse its clients up to \$5 per month for using other institutions' ATMs. All deposits are FDIC-insured.

# Own a brand-name computer system with everything you expect...



and one thing you don't...



Now, you can get big savings on popular, brand-name computer systems such as IBM, Compaq, Dell, and more. As the leading provider of overstock, off-lease, and end-of-life equipment and products, **IntelleSale.com** gives you instant access to our vast inventory...so you'll save hundreds of dollars on the finest quality technology.

Whether you're looking for a second PC or a new notebook, adding a printer or a monitor, you'll have our exclusive 3-way guarantee:

- Each IntelleSale.com re-manufactured product has been thoroughly reconditioned in our state-of-the-art facilities so you're assured of a just-like-new system at a huge discount.
- You'll always have the same level of excellence in technical support and customer service as any new product.
- Each product has a full 6-month warranty—the longest in the industry.

So log on to IntelleSale.com now. You'll find all the computer products and equipment you need from the names you trust—at rock-bottom prices you'll love.

### The lowest prices on the largest selection of brand-name computers, monitors, and notebooks.

#### Look at how much you'll save:

#### Desktops

Huge savings on complete systems...with all you need to get on the Net...and more!



Intel® Pentium® 166MHz 32MB / 1.6GB / 56K CD, Sound & Speakers Keyboard and Mouse 15" Major Brand Monitor 6-Month Warranty

\$199



#### Compag DeskPro

Intel® Pentium® 200MHz 32MB / 2.0GB / 56K CD, Sound & Speakers Keyboard and Mouse 17" Major Brand Monitor 6-Month Warranty

\$299



#### **Dell Dimension**

Intel® Pentium® II 266MHz 32MB / 3.6GB / 56K CD, Sound & Speakers Mouse and Keyboard 17" Major Brand Monitor 6-Month Warranty

\$399

#### Notebooks

Go mobile with these priced-to-move laptops.



#### IBM ThinkPad

Intel® Pentium® 166MHz 32MB & 2.0GB HDD 20xCD \* 33.6K 12.1" FRSTN Display 6-Month Warranty

\$525



COMPAQ .

#### Compaq Armada

Intel® Pentium® 133MHz 32MB & 2.0GB HDD 4xCD \* 33.6K 12.1" TFT Display 6-Month Warranty

\$425



#### **Dell Latitude**

Intel® Pentium® 133MHz 24MB & 1.2GB HDD 33.6K Modem 11.5" TFT Display 6-Month Warranty

\$299



Monitors (NEC®, SONY®, NOKIA®) starting at just \$59 and 172 starting at only \$109.



Business-To-Business: Bigger discounts for volume purchasers plus incentive programs.



The only difference is the price

habla Español!

#### ASPIRE 6400 COMPUTER SYSTEMS

Prudently affordable, powerful performance!

#### Aspire 6400

\$1,519

Intel® Pentium® III Processor, 733MHz 256MB SDRAM 20GB Hard Drive 7200rpm access speed 8X DVD-ROM Drive ATI 32MB video adapter

#### Aspire 6400

\$1,229

Intel® Pentium® III Processor, 667MHz
128MB SDRAM
20GB Hard Drive 7200rpm access speed
8X DVD-ROM Drive
TNT2 16MB video adapter



#### **GREAT ACCESSORIES**

Quality products, practically easy!

#### Acer CRW-8432 \$249

Most stable drive on the markett 8X write/4X rewrite/32X read 8MB buffer

120ms typical access time

AcerScan 620UT

#### WarpLink Communicator \$89.99

Wireless PC network connection

Up to 150 ft range in most environments

Up to 1 imps data transfer rate

2.4GHz frequency hopping spread spectrum

#### Acer FotoPrisa 300P \$199

19200dpi 36-bit color flatbed scanner

USB interface

Built-in transparency unit

Resolution; 600 x 1200 dpi optical

Scanning area 8 1/2 x 11.7 inches (A4)

Get 4\*x8" photo-quality prints from digital files

Reproduces 16,77 million colors

300 x 600 dpl max, resolution

Bundled with UL ead's Photo Express

\$129

#### AcerView 99SL

19" square screen (18" viewable) 0.26mm dot pitch Max resolution: 1600 x 1200 at 78Hz Patented (Screen disptay technology

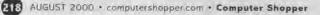
#### Acer DVD-1040A \$129

10X DVD/40X CD:ROM Digital servo technology 100ms typical DVD seek time 512KB buffer

shop Acer



\$375



[Top 10 things I'd rather do than go to the computer store.]



### ShopAcer.com. Because we know there is more to life than standing in line.

Wasting time is not an option, especially when it comes to your computing speed. Take the Aspire 6400 series for example. These desktop systems include the Intel® Pentium® III processor for powerful performance at a price you can afford - starting under \$900.

At ShopAcer.com we believe in giving you what you need to make your purchase quickly and easily. We offer the best home computing products for your entire family, and we won't waste your time or your money.

So don't just sit there, visit us online at www.shopacer.com.

ShopAcer. Your place for home technology.



Shop online or call 800-240-2237

Prices and specifications are subject to change without rotice. Approved the Appropriate angelened trademarks and Approve is a laggerate of Approved Corporation and Approved Intelligence in the lateral trademarks and product normal product normal and product normal are trademarks or negatived trademarks of their respective competities. © 2007 Approved Corporation. All rights meaning.







#### ONLINE AUCTIONS

#### auctions.cnet.com

well-defined categories make items easy to locate . smooth navigation

At CNET Auctions, a site dedicated to computer-product auctions, you can bid on the hardware and software listed, or put any computer items you'd like to sell on the block. Sellers range from individuals to well-known companies.



#### auctions.com

offers auction types unavailable elsewhere . smooth navigation diverse category listings can be hit-or-miss

At Auctions.com, you'll find 6,000 categories of user-to-user auctions. The computer-auction listings offer a respectable quantity of PC hardware and software. You pay no fee to list items for sale, but the site takes a small percentage if your items sell.

#### auctions.goto.com

trend-watch and message boards · smooth navigation

GoTo Auctions puts at your disposal a cross-auction search engine that hunts for items in 14 categories.

#### auctions.yahoo.com

no charge to list items for sale · large selection of antiques and collectibles . smooth navigation

Yahoo's user-to-user auction site offers hundreds of thousands of items in diverse categories ranging from computer hardware to motorcycles. Collector clubs, message boards, and live chat let sellers and buyers talk, ask questions, and trade items.

#### auctions.zdnet.com

the Auction Agent will notify you when a new auction meets your criteria · smooth navigation

The auction site of ZDNet, Computer Shopper's parent company, offers primarily computer hardware and software. Categories include consumer electronics, gaming, domains, and services. You'll find user-to-user auctions, as well as new and used items offered by well-known businesses.

#### bid.com

The Bid.com business-to-user equipment auction site offers desktop and notebook computers, monitors, upgrades, cameras, and home electronics. Equipment may be new or refurbished.

#### ebay.com

mind-boggling variety of products · all purchases up to \$200 are insured

· smooth navigation

The eBay auction site specializes in linking sellers and buyers of everything under the sun, from computer equipment to collectible toys. Chances are you can find anything you need herefrom Beanie Babies to BIOS chips.

#### ewanted.com

smooth navigation

unique system, but the selection of "items wanted" is small compared to the number of products for sale on traditional auction sites

"Turning auctions upside down" is the goal of eWanted. The site allows potential buyers to list the items they're looking for. Sellers can submit offers, bidding down the price to earn the business. Categories include computer equipment, antiques, baby items, and real estate.

#### haggle.com

smooth navigation

Haggle.com is a user-to-user auction site that has nearly 40 computerrelated categories, plus "other stuff"

auctions ranging from musical instruments to automobiles. Sellers will appreciate the free basic listings



#### REVIEWS



#### itrack.com

auction news area

Simple to use, iTrack.com searches online auctions so you don't have to. Free memberships allow you to select five patterns (combinations of an auction site and an item) at a given time: for \$25 per year, you can search 10 patterns at a time; and for \$50, 20 patterns at a time. You can choose from 14 auction sites.

#### tradeout.com

smooth navigation

TradeOut.com describes itself as a "business-to-business exchange for excess inventory and idle assets." It helps companies buy and sell surplus goods-from computers to car parts to construction supplies. Most items are sold at auction, but others are available on a first-come, first-served basis.

#### ubid.com



smooth navigation

UBid's business-to-user auction house offers computers, electronics, housewares, sports items, jewelry, and gifts. If you can't wait several days to learn if you've won, click on the Auctions Closing This Hour link for quicker gratification.

#### SMALL-BUSINESS RESOURCES

#### atyouroffice.com

free delivery on all orders more than \$25 . smooth navigation . easy ordering . good return policy

The impressive AtYourOffice.com site offers everything for the office, from the essential to the mundane-30,000 products in all. You can limit searches to products that are generic brands, eco-friendly, or manufactured by women- or minority-owned businesses.

#### businessplans.org

imks to franchise information, public-relations resources, market analysis, and other sites

The Center for Business Planning offers a library of real business plans that you can download and review offline, an automated tool that can evaluate your marketing strategy, and a massive collection of links of interest to anyone starting a business.

#### consultlink.com

consultant reference checks available . smooth navigation

ConsultLink is a directory service that helps businesses find contractors and independent consultants in a wide variety of high-tech fields, such as technology strategy, programming, and technical writing. ConsultLink charges a fee to access each profile. A flat-fee option allows unlimited profile views.

#### directdeposit.com

Since 1991, National Payment Corp. has been providing direct-deposit services for small and medium-size businesses. Using a secure Web browser, you can submit payroll for direct deposit to your employees' bank accounts. The site can exchange data with more than two dozen accounting programs.

#### efax.com

 smooth navigation • easy ordering

The eFax.com site gives you a personal fax and voice-mail number and delivers incoming messages by e-mail. The free basic service allows you to receive an unlimited number of faxes. For a monthly fee, eFax Plus lets you send faxes and convert incoming faxes to



#### e-stamp.com

you don't have to be online to print postage

buying postage requires special hardware

#### news | best buys | opinions | reviews | features | web buyer | biz-to-biz | help & how-to | reference

E-Stamp lets you buy postage over the Internet, then print that postage on your printer. You can use E-Stamp to send first-class, Priority Mail, Express Mail, and parcel-post items. The site sells envelopes, labels, postage scales, and other mailing supplies.



#### www.fedworld.gov/taxsear.htm

smooth navigation • order federal tax information on CD-ROM

At FedWorld you'll find downloadable tax forms for tax years 1992 through 1999 and instructions on filling them out, as well as IRS publications, tax tables, and tax regulations.

#### iprint.com

Extended listing this month. See this page.

#### iship.com

The IShip tracking tool is a one-stop spot for seeing the status of shipments sent with any major carrier. The QuickPrice function offers cost comparisons of the U.S. Postal Service, UPS, FedEx, and Airborne Express.

#### officebase.com



smooth navigation orders may take three weeks to fill

From office machines to snacks, this office-supply store sells just about anything you could need in the workplace. Office Base is simple but effective. making it easy to find products.

#### onlinepayroll.com

Online Business Services will help any business become more efficient and receive more than 80 financial reports. Online Payroll can receive payroll information by telephone, fax, modem, or direct link with your electronic time clock.

#### paycheckcity.com

Paycheck City provides Web-based calculators to verify the accuracy of payroll checks. Employers can use the site to complete W-4 forms, and employees can verify what they should be paying in federal, state, and Social Security taxes.

#### www.pointofsale.com

Pointofsale.com specializes in retail essentials, including point-of-sale software and hardware, bar-code scanners, magnetic-stripe readers, and receipt

printers. FAQs answer basic questions about bar codes, POS



systems, and cash drawers.

#### CHECK IT OUT!

#### Label Your Life at iPrint.com

#### iprint.com

smooth navigation • easy ordering

With the help of iPrint.com, creating personalized items for business is a snap. Place your mark on stationery, rubber stamps, business cards, and sticky notepads, or create your own nifty promotional items like key chains, T-shirts, and golf balls. This handy site allows you to upload a company logo and mint a custom design in minutes. You can save your work in intervals and finish up whenever you're done. Use one of iPrint.com's ready-made quotes if you'd like.

The site can handle both special and high-volume orders. Need a little help? The Customer Service area gives design tips and a glossaru of useful terms. First-time customers are eligible for freebies such as personalized rubber stamps and rolls of address labels.

#### REVIEWS



#### smartship.com

helps find your nearest package drop-off site

limited information about smaller carriers

SmartShip makes it easy to select the right carrier for your shipments. Enter the weight and other details about your package, and the site will help you choose the best major carrier, whether your priority is speed or cost.

#### www.ssa.gov



smooth navigation

The Social Security Administration's site can make the necessary task of paying Social Security understandable to small-business owners. The Guide for Employers offers detailed help with employer wage-filing responsibilities. The FAQ answers questions about documentation and filing deadlines.

#### stamps.com



no special hardware required must be online to print postage

Stamps.com lets customers buy postage online and print it using an inkiet or laser printer. You can send items first-class, Priority, and Express Mail. Delivery confirmation and certified mail are also available.

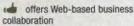
#### usa.net

USA.net can set up a Web post office for your business, letting you and your employees have instant access to e-mail from any Web browser. The long list of standard and premium features includes necessities such as spellchecking and language translation.

#### www.virtualpayroll.com

Virtual Payroll simplifies the cycle of payroll and taxes for small businesses. Through this secure site, company and employee information is entered to set up initial payroll accounts; with periodic updates, employees are paid by direct deposit within 48 hours.

#### webex.com



po requires a special plug-in

WebEx is an online collaboration system that hosts thousands of daily meetings. Share documents and applications with colleagues who have your meeting-room password and the WebEx plug-in. Free "virtual offices" offer personalized conference rooms with online calendar, address-book, documentstorage, and directory tools.

#### TRAVEL AND LEISURE

#### all-hotels.com



smooth navigation

All-Hotels.com connects travelers to a whopping 60,000 online-bookable hotels. The main directory will help you find lodging around the world, sometimes at reduced rates for Internet users. Links to each hotel's home page are provided when available.

#### www.biztravel.com

tracks frequent-flyer miles automatically . smooth navigation

Research your destination, plan your trip, and make airline, car, and hotel reservations at Biztravel.com. Catering to the business traveler, Biztravel offers unique services, including predeparture pager alerts and the ability to download your itinerary to your palmtop.

#### expedia.com



smooth navigation

At Expedia.com, travelers can book flights, hotel rooms, cars, vacation packages, and cruises. A fare calendar makes it easy for shoppers to see the lowest airfares available. The FareTracker tool keeps tabs on fares to particular destinations and e-mails alerts.

#### got.com

information on major chains and regional providers . smooth navigation

Shoppers can make instant reservations for air travel, rental cars, and hotels at Global

#### Online Travel.

Vacation packages are available, or you can design your own. The Global Spotlight section offers information on myriad topics ranging from spa vacations to flying with pets.



#### hoteldiscount.com

smooth navigation

The Hotel Reservations Network allows travelers to comparison-shop, find accommodations, and make reservations in 2,000 hotels in 50 cities in the United States, Europe, and Canada. Hotel Discounts specializes in providing accommodations during peak soldout periods.



#### lvrs.com

With 50 Las Vegas hotels from which to choose, Las Vegas Reservations System lets shoppers price and book their accommodations without a lot of calling around. Check out what each hotel has to offer, from museums to roller coasters.

#### 1travel.com

smooth navigation . Ask the Expert feature offers advice on air travel

The 1travel.com site boasts a huge variety of specialty vacations, plus a wide array of options in destinations and lodging. Check out your travel choices, such as train trips, cruises, or tours. See all the lodging alternatives: apartments, bed-and-breakfasts, even soas

#### placestostay.com



amooth navigation

A tool for finding lodging and making reservations, PlacesToStay.com lists more than 10,000 hotels, inns, resorts, and bed-and-breakfasts. Book, modify, or cancel your reservation online, and you get an instant confirmation.

#### tickets.com

smooth navigation . buy tickets directly or at auction

Entertainment, sports, and travel: If you need a ticket to get in, chances are you can buy that ticket at Tickets.com. The site also offers information about-and tickets to-family entertainment venues, including museums, zoos, and theme parks.

#### travel.discovery.com



world maps

From the cable channel of the same name, the Travel Channel offers pointers to vacation-information sites and more. The forums let you discuss educational vacations and critique travel books. The shopping area offers CD-ROMs, books, videos, and deals on tours and cruises.

#### travelite.org

inks to commercial sites where you can buy travel essentials

The Travelite FAQ offers tips on travel-Ing light-with just a carry-on bag and without the worry of losing checked bags. The site reviews luggage, gives wardrobe selection tips, explains electrical adapters, and more.

#### travelocity.com



smooth navigation

Travelocity provides secure online transactions for air, car, and hotel reservations. At this site, you can research potential destinations, find a bed-andbreakfast, make your reservations, and research cruises

#### travelscape.com

no-risk reservation guarantee · around-the-clock customer service by phone

Simply choose from Travelscape.com's selection of major U.S. cities, then pick

the dates of your vacation. This Web-based travel store outlines the options and lets



you determine your itinerary.

#### travel.yahoo.com



smooth navigation

At Yahoo Travel, you can buy your next vacation or plan ahead. You can search by destination, activity (such as cruises, adventure tours, and sports), or lifestyle (such as vegetarian, singles, or special needs).

#### REVIEWS



#### trip.com

unique articles in travelers' NewsStand . smooth navigation

Visit Trip.com when you want to book a flight, a rental car, or a hotel room. The cool FlightTracker will give you details about any current flight, including location, estimated landing time, and type of aircraft.

#### CONSUMER ELECTRONICS

#### consumer-direct.com



smooth navigation

Shopping for something simple, such as a surge protector? Or complicated, like C-Band satellite receivers? Either way, Consumer Direct Warehouse provides a selection of brands and styles to explore.

#### crutchfield.com

online specials deliver deep discounts . two-day delivery on most items . smooth navigation . easy ordering . good return policy

Here's a site to visit whether you're in the market for a home theater or a car stereo. Crutchfield also offers toll-free technical assistance.

#### 800.com

review your complete order history . smooth navigation . easy ordering . good return policy

The 800.com site specializes in video and audio systems, personal electronics, video games, and movies. See side-by-side comparisons of products. The selection includes digital cameras. televisions, and home and car stereos.

#### etown.com

smooth navigation

shipping costs and return policies can vary among etown.com partners

Consumer electronics is the focus at etown.com, a site offering gadgets such as cordless phones and flatscreen televisions. The site also serves up consumer-electronics news, informative features, and a knowledge bank that explains how to buy, use, and troubleshoot equipment.

#### giantsavings.com



smooth navigation

GiantSavings.com offers a wide selection of home electronics, ranging from DVD players to PDAs.

#### globe-mart.com

smooth navigation • good return policy

Global Mart's electronics area offers audio/video components, flat-panel displays, digital cameras, and multifunc-

#### CHECK IT OUT!

#### ValueAmerica Cuts Costs on Every Sale

#### va.com



smooth navigation . easy ordering

ValueAmerica offers an array of home-entertainment products, including audio and video equipment, cameras, and communications products. Plus, you'll find movies, games, and other media to use with them. The Cameras & Optics area sells gizmos ranging from singlelens-reflex cameras to binoculars to night-vision viewers.

The site also offers computer software and hardware, including preconfigured systems from major manufacturers such as Compaq and Apple. Extended service plans are available for digital cameras, PDAs, and other products. Online shoppers enjoy free shipping, and purchases earn buyers "value dollars" to be applied to future purchases.

# The Word is Out!

## "E-tailer of the Year"

-Computer Reseller News, April, 2000



See Our Site — See the Difference.

# SOLUTIONS /SUPE

Technology for Your Business



tion printers. The selection also includes handheld PCs and uninterruptible power supplies.

#### hifi.com

smooth navigation • easy ordering . good return policy

Hifi.com offers home-audio and hometheater products for everyone from the budget-minded to the most sophisticated audiophile. You get free shipping and a no-questions-asked 45-day return policy on most products.



#### igo.com

real-time online support . smooth navigation . easy ordering

The iGo site sells electronic necessities for folks on the go, including PDAs, cellular phones, and carrying cases. The extensive catalog of add-ons includes antennae, batteries, and other accessories for users of mobile digital devices.

#### servicemerchandise.com

smooth navigation . good return policy

many items only available for in-store pickup

In business for nearly 40 years, Service Merchandise is a catalog showroom offering electronics, health and exercise equipment, toys, travel items, and jewelry. The electronics area of its Web site sells home-office products, video equipment, sound systems, and

#### theweb-shop.com



easy ordering

Shop The Web Shop Superstore for a wide variety of home-electronics offerings, including computers, home-office equipment, cameras, camcorders, and home and car audio.

#### va.com

Extended listing this month. See p. 222.

#### CAMERAS

#### abbeycamera.com

inks to manufacturer sites · smooth navigation · good return policy

Abbey Camera's catalog of more than 10,000 cameras and accessory items will impress even veteran photographers. The options range from 35mm cameras to medium- and large-format models, darkroom supplies, and professional gear.

#### keh.com

message board offers technical advice . smooth navigation . good return policy

In business for 20 years, KEH Camera Brokers peddles new items as well as good-condition used equipment. The automated buying service gives an immediate quote on what KEH will pay for your used equipment.

#### www.normancamera.com



good return policy

From point-and-shoot models to hightech digital cameras, you're likely to find it in Norman Camera's catalog. See a large selection of film scanners, video cameras, and accessories.

#### REVIEWS

#### photoalley.com

tips and how-to articles . smooth navigation . easy ordering . good return policy

From Agfa to Yashica, if it has a lens, it's at Photo Alley. This site features a catalog of more than 11,000 products, ranging from cameras and gadget bags to camcorders and even binoculars.

#### ritzcamera.com

free shipping on orders more than \$50 . smooth navigation . easy ordering . good return policy

In addition to offering cameras and accessories. Ritz Camera also sells photo albums and frames. Shoppers with a retail location nearby can see their photos online in one hour, then order reprints or merchandise with a photo on it.

#### **BOOKS AND MUSIC**

#### www.alibris.com

Book Hound tool will search for a book for a month and e-mail you

· smooth navigation · easy ordering

· good return policy

Alibris offers one-stop searching and browsing of hundreds of independent booksellers around the globe. You don't have to be a book collector to appreciate the massive selection in categories from romance to computers.

#### amazon.com

buy and sell rare and unusual items in person-to-person auctions · discussion boards and member Web pages . smooth navigation . easy ordering . good return policy

Amazon.com's catalog of books, CDs, and videos is nothing short of gargantuan. Speedy searches and insightful recommendations make it easy to find what you're looking for, even if you don't know for sure what that is.

#### www.audible.com

smooth navigation • easy ordering

Audible.com delivers the next generation of books on tape. Buy and download audio programs, such as The Wall Street Journal or best-selling books. Then listen to the programs on your PC or a portable player.

#### bn.com

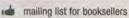
music, DVDs, videos, posters, software, and magazines available

· smooth navigation · easy ordering

· good return policy

With millions of titles in its catalog, Barnes & Noble's site is a book lover's dream. If the book you want is out of print, don't despair: It might be available through Barnes and Noble's association with used-book sellers across the country.

#### bookfinder.com



BookFinder is a search engine that scans the databases of 15,000 booksellers to find new, used, rare, and outof-print books. It's a quick way to search many independent bookstores at once for hard-to-find titles.

#### borders.com

smooth navigation • easy ordering . good return policy . bestsellers and forthcoming books sold for 50 percent off list price

If you've ever gotten lost in one of Borders' enormous retail stores, you'll appreciate this vast site. It offers a selection of 10 million books, CDs, and videos. Check out the In the News listings to find today's topical books.



#### cdnow.com

ca create custom CDs • site available in seven languages • smooth navigation • easy ordering • good return policy

CDnow is a megasite offering an extensive catalog of titles on vinyl, cassette, and CD. RealAudio sound clips and reviews are available for many of the discs. The Album Advisor learns your musical tastes and suggests other bands you'll enjoy.

#### cdworld.com

smooth navigation • easy ordering • read reviews of software and books, and write your own

CDworld sells software, video games, movies, and music—more than half a million items in all. You can get movies on videotape, DVD, laserdisc, or movie CD. Video-game choices include Dreamcast, Nintendo, and PlayStation, as well as PC and Mac titles.

#### checkout.com

smooth navigation • easy ordering • good return policy

The CheckOut Entertainment
Network offers music, movies, and
video games, wrapped up in an entertaining shopping experience. The site
serves up featured artists, quizzes,
trivia, and lists of top sellers, You'll
find plenty of detail about each item,
complete with an editor's review,
ratings, and technical details.

#### codysbooks.com

world's largest selection of Passover books and merchandise • 20 to 30 percent discounts on best-sellers

An independent bookstore based in Berkeley, Calif., Cody's Books offers a searchable catalog of its 150,000 instock titles. In addition, the store can order any in-print book, plus books published in some other countries. The site offers thoughtful recommendations and reading lists.

#### emusic.com

smooth navigation • easy ordering

EMusic.com offers downloadable MP3 music in a wide variety of genres. You can purchase an individual song, usually for 99 cents, or download an entire album for about \$9.

#### www.express.com

Extended listing this month. See this page.

#### ktel.com

online radio station • \$6 CDs in the bargain bin • smooth navigation • easy ordering • good return policy

Six departments at K-Tel offer a variety of merchandise with an emphasis on entertainment. At the custom CD store, shoppers can design their own complation discs. The music store offers soundtracks and box sets of popular favorities.

#### REVIEW



#### muzicdepot.com

smooth navigation • easy ordering • good return policy

From electronica to jazz to gospel, MuzicDepot.com has just about any in-print CD or cassette you can name, as well as information about out-of-print titles. Tell the Muzic Advizor about your tastes, and it will recommend other artists you may enjoy. The site also offers movies in the DVD and VHS formats.

#### powells.com

rare books • online reading group • smooth navigation • good return policy

Book lovers know **Powell's** as an independently owned megastore in Portland, Ore. You can search Powell's renowned selection of new and used books at its Web store. Browse through the staff picks and recommendation center for more great reads.

#### reel.com

smooth navigation • easy ordering • good return policy

Reel.com sells DVDs, VHS videos, and soundtracks. In addition to a mammoth selection, this site serves up movie reviews, a filmography database, and an impressive search engine. You'll find film news, interviews with moviemakers, and a daily trivia challenge.

#### samgoody.com

smooth navigation • easy ordering • good return policy

Sam Goody offers movies, music, and more. The "more" includes software, video games, sheet music, and related books.

#### www.towerrecords.com

smooth navigation • easy ordering • good return policy

The **Tower Records** site features a huge selection of music and videos. The search tool lets shoppers find music based on the artist, the album, or even the name of a single song. The Pulse online magazine includes reviews and interviews from pop and classical artists.

# TIPS For Buying School Supplies Online

- > Check out office-supply stores, such as Staples (www.staples.com) and OfficeMax (www.officemax.com), which traditionally offer special deals to students in the fall.
- On-campus bookstores aren't known for their low prices on textbooks. Buy your books online to save that cash for pizza and other essentials. Many college textbook stores have cropped up, including UTbooks.com and Student Textbooks (www.studenttextbooks.com).
- Verify shipping times before you commit—you don't want to receive books halfway through the term. Textbooks.com (a division of Barnes & Noble) guarantees delivery in three days for \$5, and UTbooks.com promises books in one to four days.
- Your school may be affiliated with an online textbook store. If so, you have an added convenience: Just enter your course number, and the required books will be added to your shopping cart.
- Some sites will also buy back your old textbooks for cash or credit. Check the site for details.
- > Band together with your classmates or roommates to combine your order. You may save on shipping charges or receive a bulk discount.
- Parents of home-schooled children might want to visit www.lucernevalley.net/ home/nakell, a free site for the exchange of used home-school curricula.

#### virginmega.com

- daily music news and gossip
- · new releases featured weekly
- smooth navigation easy ordering
- good return policy

Visit Virgin's legendary music and video store without taking a trip to Times Square. The megastore's site offers an incredible selection of tunes,

DVDs, and videos, with thoughtful commentary on featured items and RealAudio previews of many tracks.



#### Express.com Excels in Digital Entertainment

#### www.express.com

CHECK IT OUT!

smooth navigation • easy ordering • good return policy

Promising "high-speed entertainment," Express.com sells DVD movies, music, video games, and electronics. You'll find plenty of information about each title, and preordering hot releases is a breeze. The Electronics section is filled with deals on CD and DVD players, portable audio devices, and other gadgets. The Auction area offers collectible goodies from the worlds of TV, film, and sports, such as movie props and autographed scripts. And the Studio Store sells posters, toys, and clothes with TV and movie tie-ins.

Link to sister site DVD.com for interviews, DVD technical support, and news. If you need help with DVD basics, check out the tutorials in DVD 101.

## SPARTAN TECHNOLOGIES, INC

UPGRADES FOR THE NEXT MILLENNIUM

#### MOTHERBOARDS

ADIT.		1	-		-	_		
313:T-	WWW.				1000	nunerr	No. of	DOLOF
ABVA6	CPU PII-733	4	ISA.	AGP 1	3/168	CHPSET	ATX	
ABZM6	PPGA	5	2	1	3/168	440LX	ATX	\$77 \$90
ABVT6X4	PII-800	5	1	1	3/168	VIA133	ATX	\$95
ABWX6	PPGA	5	7.		2/168	810	ATX	\$107
ABBF6	PII-600	6	1	1	3/168	440BX	ATX	\$100
ABWB6	PII-733	3	1	AMR	3/168	810E	ATX	\$120
ABBE62	PII-600	5	1	1	3/168	440BX	ATX	\$124
ABBP6	DUAL	5	2	1	3/168	440BX	ATX	\$137
ABKA7-100	K7 K7	6	1	1	4/168	VIA	ATX	\$148
/ISUS			-		41100	Alta:	min	3103
SKU	CPU	PCI	ISA	AGP	MEM	CHPSET	STYLE	PRICE
ASP5AB	SOCKET7	3	2	1	3/168	M1541	AT	\$86
ASP5A	SOCKET7	5	2	4	3/168	M1541	ATX	\$91
ASP5AA	SOCKET7	5	2	1	3/168	M1541	ATX	\$99
ASP299	PII-600	4	3	1	3/168	440ZX	ATX	\$99
ASP299B ASP3V4X	PII-600 PII-733	3 6	2	1	3/168	440ZX VIA133	AT	\$101
ASP3W	PII-733	5	2	-	3/168	810	ATX	\$104
ASCUV4X	FCPGA	5	1	1	3/168	VIA	ATX	\$115
ASP2BB	PII-600	3	2	1	3/168	440BX	AT	\$123
ASP3BF	PH-600	5	2	1	4/168	440BX	ATX	\$123
ASCUWE-RM	FCPGA	3		AMR	3/168	810	ATX	\$127
ASP3WE	PII-733	6		AMR		810	ATX	\$140
ASK7M-WA	K7	6	1	1	3/168	VIA	ATX	\$148
ASP3C2000 ASK7V-WOA	PII-733	5	1	1	4/168	820	ATX	\$152
ASK7V-WUA ASK7V-WA	K7 K7	5		1	3/168	VIA	ATX	\$151
ASP2BL	PII-600	4	2	1	4/168	VIA 440BX	ATX	\$162 \$167
ASP2BVM	PII-600	3	1	1	3/168	440BX	ATX	\$172
ASP3CE	PH-733	5	1	1	2/RIMM		ATX	\$187
ASP2B0	DUAL	4	2	1	4/168	440BX	ATX	\$266
ASP2BS	PII-600	4	2	1	4/168	440BX	ATX	\$304
ASP2BLS	PII-600	4	5	1	4/168	440BX	ATX	\$347
ASP3CD	DUAL	5		1	3/RIMM	820	ATX	\$357
ASP2BDS	DUAL	4	2	1	4/168	440BX	ATX	\$444
ASP3CS ACVEDUE	PII-733	5	1	1	2/RIMM		ATX	\$414
ASXGDLS FIC	DUALXEON www.fica.co	5	1	1	4/168	440GX	ATX	\$734
SKLI	CPU		ISA	AGP	MEM	CHPSET	STYLE	PRICE
FICVA-503+	SOCKET7	3	3	1	3/168	VIA	AT	\$69
FICPA-2013	SOCKET7	4	2	1	3/168	VIAMVP	AT	\$77
FICVB-601	PII-600	5	2	1	4/168	4408X	ATX	\$85
FICVA-503A	SOCKET7	4	2	1	3/168	VIAMVP		280
FICSD11	K7 www.intel.cr	5	1	1	3/168	VIA	ATX	\$109
SKU			ISA	AGP	MEM	CHPSET	STYLE	PRICE
INSE440BX2NA		4	2	1	3/168	440BX	ATX	\$96
INSE440BX2	PII-600	4	2	1	3/168	4408X	ATX	\$103
INVC820WA	PIII-933	5	1	AMR	2/RIMM	820	ATX	\$114
INN440BX	DUAL	4	2		4/168	440BX	ATX	\$449
MICROSTA					ational.co			
SKU FACO	CPU			AGP		CHPSET	STYLE	
MICMS-5169 MICMS-6153V	SOCKET7 A FCPGA	4 3	3	AMR	3/168	ALI	ATX	\$79
MICMS-6163P		5	2	ANT.	3/168	440BX	ATX	\$84 \$94
MICMS-6301	PII-733	5	1	1	3/168	820	ATX	\$130
MICMS-6195	K7	6	1	1	3/168	AMD	ATX	\$134
SUPERMICE		ww.	super	micro	i.com			
SKU	CPU			AGP	MEM	CHPSET		
SMP6SBA	P11-600	6	3	1	3/168	440BX	ATX	\$99
SMPGDBE	DUAL	5 4	2	1	4/168	4408X	ATX	\$166
SMP6SBU SMS2DGE	PII-600 DUALXEON	5	3 2	1	4/168	440GX	ATX ATX	\$299
SMP60BU	DUAL	5	2	1	4/168	440BX	ATX	\$394
SMP6DGU	DUAL	5	2	1	4/168	440GX	ATX	\$427
SMS2DGU	DUALXEON	5	2	1	4/168	440GX	ATX	\$469
TXIN	www				C C			
SKU	CPU		ISA		MEM	CHPSET		
TYS1590S	SOCKET7	4	4	1	3/168	VIA	AT	\$89
TYS1598S TYS1854	SOCKET7 PPGA/SLOT1	5 6	2	1	3/168	VIA VIA	ATX	\$94
TYS1830S	PII-550	3	3	1	4/168	449BX	ATX	\$96 \$112
TYS1598C2	SOCKET7	5	2	1	3/168	VIA	ATX	\$113
TYS2380	K7	6	1	1	3/168	VIA	ATX	\$130
TYS1832DL	DUAL	4	1	1	4/168	4408X	ATX	\$164
TYS1952DLU	DUALXEON	5	1	1	4/168	440GX	ATX	\$529
TYS2257DUAN	DUAL	6	4	1	4/168	840	ATX	\$589

#### CPU'S

ALL CPU'S HAVE A 1 YEAR WARRANTY WHEN PURCHASED WITH A CPU FAN. Those marked as "BOXED" have a 3 year warranty.

int	www.infai.com	100MHZ 3V0LT \$2
INTEL	488DX4 (PULLS)	100MHZ 3V01T \$2
INTEL	PENTILIM	133MHZ \$2
INTEL	PENTIUM PENTIUM	166MHZ \$3
	PENTIUM MMX	233MHZ \$4
INTEL	CELERON-A PPGA	433MHZ 128K \$8
INTEL	CELERON-A PPGA	466MHZ 128K \$9 500MHZ 128K \$10
INTEL	CELERON-A PPGA	.500MHZ 128K
INTEL	CELERON-A PPGA	.533MHZ 128K
INTEL	CELERON-A FCPGA	533MHZ 128K \$10 533MHZ 128K \$10 566MHZ 128K \$10 600MHZ 128K \$17
INTEL	CELERON-A FCPGA	.566MHZ 128K
INTEL	CELERON-A FCPGA	.600MHZ 128K\$17
INTEL	CELEBON-A FORGA	633MHZ 128K S18
INTEL	PENTIUM II	400MHZ 512K \$14 500MHZ 256K FCPGA \$17 533MHZ 256K FCPGA \$18
INTEL	PENTIUM III	.500MHZ 256K FCPGA\$17
INTEL	PENTIUM III 133MHZ BUS	.533MHZ 256K FCPGA\$18
INTEL	PENTIUM III	.550MHZ 256K FCPGA\$20 .600MHZ 256K FCPGA\$19
INTEL	PENTIUM III 133MHZ BUS	.600MHZ 256K FCPGA
INTEL	PENTIUM III	.600MHZ 256K FCPGA
INTEL	PENTIUM III	.600MHZ 256K FCPGA .\$20 .650MHZ 256K FCPGA .\$20 .667MHZ 256K FCPGA .\$19 .700MHZ 256K FCPGA .\$23 .733MHZ 256K FCPGA .\$25
INTEL	PENTIUM III 133WHZ BUS	.567MHZ 256K FCPGA\$19
INTEL	PENTIUM III	TOUMHZ 256% FUPBA\$23
INTEL	DENTIUM III 133WHZ BUS	TECHNIZ OFFY FORCE 600
INTEL	DENTION III	7-50MHZ 256K FCPGA \$33 800MHZ 256K FCPGA \$38 806MHZ 256K FCPGA \$36 550MHZ 512K SECC \$18 600MHZ 256K SECC \$19 600MHZ 512K SECC \$20 600MHZ 512K SECC \$20
INTEL	DENTHAM III 123MU7 DIC	BEEMUT DERVICEDEN
INTEL	PENTIUM III	SEUMIT STON SECO. STE
INTEL	PENTIUM III 133MH7 RUS	GOOMHY 256K SECC \$10
INTEL	PENTIUM III 133MHZ BUS	600MHZ 512K SECC \$20
INTEL	PENTIUM III	.600MHZ 256K SECC\$21
INTEL	PENTIUM III	600MHZ 512K SECC \$35
INTEL	PENTIUM III	650MHZ 256K SECC \$21 667MHZ 256K SECC \$20
INTEL	PENTIUM III 133MHZ BUS	667MHZ 256K SECC \$20
MIEL	PENTIUM III	.700MHZ 256K SECC
INTEL	PENTIUM III 133MHZ BUS	.733MHZ 256K SECC\$29 .750MHZ 256K SECC\$35
INTEL	PENTIUM III	.750MHZ 256K SECC \$35
INTEL	PENTIUM III	.800MHZ 256K SECC
INTEL	PENTILIM III 133MHZ BUS	800MHZ 256K SECC \$42
INTEL	PENTIUM.III	.850MHZ 256K SECC
INTEL	PENTIUM III 133MHZ BUS	.866MHZ 256K SECC\$64
INTEL	PENTIUM III 133MHZ BUS	850MHZ 256K SECC \$56 866MHZ 256K SECC \$64 933MHZ 256K SECC \$75
	ID A www.amd.com	
AMD	K6 II W/3D NOW	P300MHZ (66 MHZ)     \$3       P333MHZ (66 MHZ)     \$3       P333MHZ (96 MHZ)     \$3
AMD	KB II W/3D NOW	.P333MHZ (66 MHZ)
AMD	KO II W/3D NUW	P355MHZ (96 MHZ)
ANTO	RE II WISD NOW	DADDRILZ (100 MHZ)
AMD	RE II WIZD NOW	P400MHZ (100 MHZ) \$5 P450MHZ (100 MHZ) \$4 P475MHZ (100 MHZ) \$4
AMD	KE II MISD NOW	DATEMINT (100 MILT) \$4
AMD	RE II WISH NOW	.P500MHZ (100 MHZ)
AMD	VE II WISD NOW	DESCRIPT (DE MALT) 400
AMD	KE II W/3D NOW	.P533MHZ (95 MHZ) \$5 P550MHZ (100 MHZ) \$7
AMD.	DURON	P600MHZ (200 MHZ)
AMD.	DURON	PR50MHZ (200 MHZ) \$10
AMD.	DURON	P650MHZ (200 MHZ)
AMD	K7 A7HLON	P600MHZ (200 MHZ)
AMD	KZ ATHLON	PR50MH7 (200 MH7) \$16
AMD	K7 ATHLON	P700MHZ (200 MHZ) \$16
AMD	K7 ATHLON	P700MHZ (200 MHZ) \$16 P750MHZ (200 MHZ) \$19 P800MHZ (200 MHZ) \$25
AMD	K7 ATHLON	P800MHZ (200 MHZ)
PARKET 7	BV HIMITING	PRSOMEZ DUDI MEZZ
AMD	K7 ATHLON	P900MHZ (200 MHZ)\$44
AMD	K7 A7HLON	P900MHZ (200 MHZ) \$44 P950MHZ (200 MHZ) \$61
	K/ AIHLON	P100MHZ (200 MHZ) \$83
SEE	OUR WEBSITE FOR THE RET	AIL VERSION OF THE AMO ATHLONS

#### SOUND CARDS

CREATIV	www.creative.com	
CLES48110	SOUND BLSTR PCI ES4811 0EM	\$22
CL45200	SOUND BLSTR AWE 64 ISA OEM	\$28
CL47500	SOUND BLSTR PCI 128 0EM	\$31
GL48300	SOUND BLSTR LIVE VALUE PCI OEM	\$47
CLXGAMERR	SOUND BLSTR LIVE X-GAMER RETAIL	\$91
CLMP3+R	SOUND BLSTR LIVE MP3+ RETAIL	\$91
CLPLATINUMR	SOUND BLSTR LIVE PLATINUM RET	\$177

#### MEMORY

72-PIN NON-PARITY					
8MB2X32		60NS	. 57		
16MB 4X32		BONS	540		
32MB 8X32		.60NS	699		
		ontin	0407		
04MB10A32	79.DIN	60NS TRUE PARITY	.5101		
16MB4X36	15-110	60MS	+m		
64MB15X36		.60NS	\$135		
128MB 32X36		PIN EDO	5257		
man month	rnd 12	60NS	240		
8MB 2X32	500	BUNS	213		
16MB 4X32			- 237		
		.60NS			
64MB16X32	EDO	.60NS	\$55		
128MB 32X32	EDO	ONG DIMMS EDO	\$219		
64MB 8X64	168-PIN LC	ONG DIMMS EDO  GONS 3.3VOLT  GONS 3.3VOLT ECC  GONS 3.3VOLT ECC			
64MB 8X64		.60NS 3.3VOLT	\$98		
64MB8X72	(unbuffered)	60NS 3.3VOLT ECC	\$117		
128MB 16X64		60NS 3.3VOLT	\$199		
128MB 16X72	(unbuffered)	60NS 3 3VOLT FCC	\$219		
128MB 16X72	(buffered)	.60NS 3.3VOLT ECC	\$249		
256MB 32X72	(huffered)	.60NS 3.3VOLT ECC	\$489		
168-PIN LONG	DIMMS SI	DRAM WITH EPROM (66N	Hz)		
32MB 4X64	Diminio Oi	.10NS	230		
		10NS			
128MR 16Y64		17MC	\$107		
168-PIN	SUBAM N	VITH EPROM PC100/133	31111		
32MB4X64	CUITAIN V	.8NS	621		
64MB8X64		.8NS	200		
64MB PC133 . 8X64		7.5NS	- 900		
64MB 8X72		.8NS 3.3VOLT ECC	900		
		NO 3.3YULI EUU	200		
		.BNS	210/		
128MB PC133 16X64		7.5NS			
128MB16X72		ans 3.3VOLT ECC			
128MB PC133 16X72		.7.5NS 3.3VOLT ECC			
256MB32X64		BNS			
256MB PC133 32X64		7.5NS			
256MB32X72		8NS 7.5NS 3.3VOLT ECC	\$264		
256MB PC133.32X72		.7.5NS 3.3VOLT ECC	\$271		
512MB		BNS	\$479		
WE CARRY CORSAIR MICRO MEMORY					
	CONTRACTOR OF THE PARTY OF THE		_		

#### VIDEO CARDS

matrox	www.matrox.com	
MATMEC200	G200 8MB, SDRAM AGP OEM (FIXED)	\$55
MAT400SDR18	G400 16MB, SDRAM AGP 0EM (SING)	\$89
MAT400DUAL32	G400 32MB, SGRAM AGP DEM (DUAL)	\$134
MAT400MAXD32	G400 32MB, SGRAM AGP DEM (DUAL)	\$199
DIAMOND		
DANGE OF THE PARTY	www.diamondmm.com	
DISS8MB	SPEED STAR 8MB SDRAM AGP OEM	\$28
DIST3S540	STEALTH III S540 16MB AGP DEM	\$43
DISS16MB	SPEED STAR 16MB SDRAM AGP DEM	\$43
	STEALTH III S540 32MB AGP OEM	\$59
	BVIPER V770-2 W/TV 32MB AGP 0EM	\$124
	titech.com	
	3D CHARGER AGP OEM VER 8MB EDO	\$29
	ALL-IN-WONDER AGP OEM 8MB SGRAM	
	EXPERT 99 AGP DEM VER 8MB	547
	EXPERT RAGE AGP OFM VER 16MB	\$67
	EXPERT 2000 AGP DEM VER 32MB	\$71
	RAGE FURY PRO AGP DEM 16MB W/TV	\$87
	RAGE FURY PRO AGP OEM 32MB W/TV	\$99
	ALL-IN-WONDER AGP OEM 16MB	\$125
	RAGE FURY MAX AGP DEM 64MB W/TV	\$150
	ALL-IN-WONDER AGP DEM 32MB W/TV	\$176
	ALL-IN-WONDER PCI DEM 32MB W/TV	\$177
	ALL-IN-WONDER PRO AGP OEM 32MB	\$219
STB www.stb	The state of the s	-
STB200016MB	3DFX VOODOO 3 AGP OEM 16MB	\$75
	3DFX VOODOO 3 AGP OEM 16MB TV	\$102
	3DFX VOODOO 3 AGP OEM 16MB TV	\$157
All the second s	ww.asus.com	-
ASV6600P32A	GEFORCE AGP OEM 32MB	\$199
ASV6600DEL32A	GEFORCE DEL AGP DEM 32MB	\$224
ASV6800P32A	GEFORCE AGP DEM 32MB DDR	\$244
	GEFORGE DEL AGP OEM 32MB DDR	\$289
ASV6800P64A ASV7700P32A	GEFORCE AGP DEM 64MB DDR	\$304
BOYLER BESZE	GEFORGE AGE DEM 39MR DDB	36.46

1-888-373-0340

HOURS (CST)

SPARTAN TECHNOLOGIES, INC M - Th 8am - 8pm 531 W. GOLF RD. Fri. 8am - 6nm ARLINGTON HTS, IL. 60005 FAX: (847) 364-9700

## SPARTAN TECHNOLOGIES, INC.

UPGRADES FOR THE NEXT MILLENNIUM

#### HARD DRIVES

#### **IDE DRIVES**

ALL IDE DRIVES HAVE A MAXIMUM TRANSFER RATE OF 33.3 MB/SEC. WHEN USED WITH AN UDMA IDE CONTROLLER. ALL DRIVES MARKED WITH (\*) ARE ULTRA ATA/66 AND HAVE A 66 MB/SEC TRANSFER RATE

WHEN USED !	WITH AN U	LTRA ATA/66 CO	NTROLLER.		
W WESTER	RN DIGITA	L www.wd	c.com		
A STATE OF THE PARTY OF THE PAR		DE DRIVES LIST		YR WARRA	VTV
		ACCESS/RPM			
		.9.5MS/5400			\$77
		.9.5MS/5400			
		9.5MS/5400			\$84
		9.5MS/5400			\$99
WD153AA*	15300	9.5MS/5400	.2048K	3.5"/1"H	\$100
WD100BA*	. 10000	9 MS/7200	. 2048K	3.5"/1"H	\$102
WD102BA*	10200	.9 MS/7200	2048K	3.5"/1"H	\$10
WD153BA*	15300	.9 MS/7200	_2048K	.3.5"/1"H	\$114
WD205AA* .	20500	.9.5MS/5400	. 2048K	.3.5"/1"H	\$109
WD200BA* _	20000	.9 MS/7200	2048K	3.571"H	\$145
WD205BA*	20500	9 MS/7200	2048K	3:571"H	\$147
WD307AA*	30700	9.5MS/5400 · ·	2048K	. 3.5"/1"H	\$149
WD450AA*	45000	.9.5MS/5400	2048K	3.571"H	\$209
FUITSU	www.fu	jitsu.com			
ALL FLUITSU	IDE DRIVE	S LISTED HAVE	A 3YR WAR	RANTY	
MODEL #	CAP (MR)	ACCECC/RPM	CACHE	FORMIHT	PRICE

FUJ3064AT	.6400	. 10MS/5400	
FLU3084AT	8400	10MS/5400	128K3.57/17H\$82
FLU3130AT*	.13000	10MS/5400	512K3.5"/1"H\$99
FUJ3017AT*	17000	10MS/5400	512K3.5"/1"H\$112
FUJ3024AT*	20400	10MS/5400	512K 3.5"/1"H \$114
FUJ3136AH*	13600	.9.5MS/7200	2048K 3.5"/1"H \$116
FUJ3204AH*	20400	.9.5MS/7200	2048K 3.5"/1"H \$164
FUJ3273AT*	27300	_10MS/5400	512K 3.5"/1"H \$169
Mando	e*	www.maxtox.com	

FLLI3043AT 4300 10MS/5400 128K 3.5"/1"H

IAMONOR	616	rw.meexion.com			
ALL MAXTOR	DE DRIVE	S LISTED HAVE	A 3YR WAR	RANTY	
MODEL#	CAP.(MB)	ACCESS/RPM	CACHE	FORM/HT	PRICE
MAX1025400*	.10200	.9 MS/5400	.2048K	.3.5"/1"H .	\$84
MAX1027200*	.10200	.9.5 MS/7200	.2048K	3.5"/1"H .	\$105
MAX1365400°	.13600	9 MS/5400	.2048K	.3.571"H	\$89
MAX1367200*	.13600	.9.5 MS/7200	2048K	.3.571"H .	\$119
The second secon				And Market Company	

MAX1367200*	.13600	9.5 MS/72002048K 3.5"/1"H	. \$11
MAX1535400*	15300	9.5 MS/54002048K 3.5"/1"H	\$96
MAX1537200+	.15300	.9.5 MS/7200 2048K 3.5"/1"H	. \$120
MAX2045400*	.20400	9.5 MS/54002048K 3.5"/1"H	. \$109
MAX2047200*	.20400	9.5 MS/72002048K 3.5"/1"H	. \$149
MAX2737200*	.27300	9.5 MS/7200 2048K 3.5"/1"H	\$172
MAX4095400*	.40900	9 MS/5400 :2048K 3.5"/1"H	.\$209
MAX4097200*	.40900	9.5 MS/7200 2048K 3.5"/1"H	. \$249
MAX4615400*	46100	9 MS/5400 2048K 3.57/17H	.\$20
MAX6145400*	.61400	9 MS/5400 2048K 3.57/17H	\$279

Quantum	www.quantum.com
ALL DUANTUM IDE	DRIVES LISTED HAVE A 3YR WARRANTY

MODEL#	CAR(MB)	ACCESS/RPM	CACHE	FORM/HT	PRICE
QU310200LB*	.10200 .	.8.9MS/5400	512K	.3.571"H	\$89
QU310200LM1	10200 .	8.9MS/7200	2048K	3.571"H	\$112
QU315000LB*	15000	.8.9MS/5400	512K	3.571TH	\$109
QU315000LM	15000	.8.9MS/7200	2048K	3.571°H	\$129
QU326000LA*	.26000	.8.9MS/5400	512K	.3.571°H	\$149
QU330000LB*	.30000	.8.9MS/5400	512K	3.57/1"H	\$179
QU330000LM				3.5"/1"H	

#### NOTEBOOK DRIVES

luar	IIDA	www.toshiba.	com		
ALL TOSHIB	A IDE NOT	EBOOK DRIVES	LISTED H	HAVE A 1YR WAR	RANTY
MODEL#	CAP (MB)	ACCESS/RPM	CACHE	FORM/HT	PRIC

MODEL#	CAP (MB)	ACCESS/RPI	M .CACHE	FORM/HT	- PRICE
T06014MAP	.6000	.13MS/4200	.1024K	2.5"/9.5MM	\$129
T08113MAT	.8100	13MS/4200	512K	2.5°/8.4MM	\$184
T01214GAP	12000	_13MS/4200	1024K	. 2.5"/9.5MM	\$187
T01814GAV	18100	_13MS/4200	.1048K	2.5"/12MM .	\$259

TPM	www.ibm.com
ALL IDEA INC. A	H GETSH I SEVING RONGETON

COULDA

ALL IBM IDS	ENUTEBUL	IN THINKS FIRE	EU PAVE	ALTER MACHINE	
MODEL#	CAP (MB)	.ACCESS/RPM	A .CACHE	FORM/HT	PRICE
IBM206480	6480	12MS/4200	512K	2.5"/9.5MM	\$142
IBM212000	12000	.12MS/4200	512K	2.5"/9.5MM	\$182
IBM218000	18000	12MS/4200	512K	. 2.5°/12.5MM	\$289
IBM225000	25000	.12MS/4200	512K	2.5°/17MM	\$299

#### **Ultra Narrow & Wide SCSI DRIVES**

.6.9MS/7200	4096K	3.5"/1"H	. \$199
6.6MS/10000	2048K	.3.5"/1"H	. \$184
	2048K	3,5"/1"H	\$162
6.6MS/10000	2048K	3.57/17H	. \$237
	2048K	3.571°H	. \$237
. 5.2MS/10000	2048K	3.5"/1"H	.\$241
	ACCESS/RPM 6.9MS/7200 .6.6MS/10000 .6.6MS/10000 .6.6MS/10000 .6.6MS/10000	ACCESS/RPM CACHE 6.9MS/7200 .4096K 6.6MS/10000 .2048K 6.6MS/10000 .2048K 6.6MS/10000 .2048K 6.6MS/10000 .2048K	SCSI DRIVES LISTED HAVE A 5YR WARRA ACCESS/RPM CACHE FORMHT .69MS/7200 .4096K 3.5"/1"H .6.6MS/10000 .2048K 3.5"/1"H .6.6MS/10000 .2048K 3.5"/1"H .6.6MS/10000 .2048K 3.5"/1"H .6.6MS/10000 .2048K 3.5"/1"H .5.2MS/10000 .2048K 3.5"/1"H

www.soayaw.	20331			
ALL SEAGATE	SCSI DRIV	ES LISTED HAVE	A 5YR WAR	RANTY
MODEL #	CAP (MR)	ACCESS/RPM	CACHE	FORM

Trible Grant Garage	DOD! DITE	ER FIGURES TRUES	AL OTHER PROPERTY.	CALL STREET	
MODEL#	CAP (MB)	ACCESS/RPM	CACHE	FORMHT	PRICE
ST34520N	4500	10 MS/7200	512K .	3.5"/1"H	. \$182
ST34520W	4500	. 10 MS/7200 .	512K	3.571"H	\$189
ST39140N	9100 -	10 MS/7200	512K	3.5"/1"H	. \$242
ST39140W	9100 -	10 MS/7200	512K .	3.5"/1"H	.\$247
ST39236LW .	9200	.5.8MS/7200	2048K	35"/1"H	. \$232
ST39216W	9200	. 5.8MS/7200 .	2048K	3571°H	\$229
ST39216N	9200	. 5.8MS/7200 .	2048K	3.571°H	. \$229
ST318416N .	18400	. 5.8MS/7200 .	2048K	3.5"/1"H	. \$329
ST318416W .	18400	. 5.8MS/7200 _	2048K	3.571°H	\$329
ST318436LW	18400	. 5.8MS/7200 _	2048K	3.5"/1"H	.\$34
ST318404LW	18400	5.2MS/10,000	4096K	3.5°/FH .	. \$472
ST136475LW	36400	.7.6MS/7200	1024K	3.5"/FH .	. \$764
ST136403LW	36400	. 5.2MS/10,000	1024K	3.5"/FH .	. \$862
ST136403FC.	36400	. 5.2MS/10,000	1024K	3.5"/FH .	\$862
ST336704LW	36700	. 5.2MS/10,000	4096K	3.5"/FH .	\$899
ST150176LW	50000	.7.4MS/7200 -	1024K	3.5"/FH .	. \$864
ST150176FC.	50000	7.4MS/7200 .	1024K	3.5"/FH .	. \$864
ST173404LW	73400	.5.6MS/10,000	4096K	3.5"/FH .	\$1399

#### REMOVABLES

I-MEGA	www.iomega.com			
IOZIP100IDE	REMOVABLE DRIVE	100MB INT ZIP	IDE OEM	\$61
IOZIP100SCSI	REMOVABLE DRIVE	100MB INT ZIP	SCSI CEM	\$81
IOZIP250IDE	REMOVABLE DRIVE	250MB INT ZIP	IDE DEM	\$106
IOZIP100USB	REMOVABLE DRIVE	100MB EXT ZIP	USB	\$127
IOZIP250USB	REMOVABLE DRIVE	250MB EXT ZIP	USB	\$167
IOSCS12GBEXT	REMOVABLE DRIVE	2GB EXT JAZ	SCSI	\$309
IOSCS12GBINT	REMOVABLE DRIVE	2GB INT JAZ	SCSI	\$309
10.101/01010	SEE OUR WEBSITE F	OR CARTRIDGE P	RICES	

#### CD/CDRW/DVD

TOSHIB/	www.tosh	iba.com		THE RESERVE
MODEL#	SPEED/TRANS	INTERFACE	ACCESS	CACHE PRICE
T06702B	48X/7200KB	ATAPI	85MS	256K \$48
T06401	4000/6000KB	SCSI-2	85MS	256K \$72
TODM1402BARE	12X-40X DVD	ATAPI	135/90M	IS 256K \$139
MITSUMI				
www.mitsumi.com	A STATE OF THE OWNER, THE PARTY OF THE PARTY		0005525	COLOR CLUST
MODELA	SPEED/TRANS	INTERFACE	ACCESS	CACHE PRICE
MITFX4820	48X/7200KB	ATAPI	85MS	128K \$43
MITCDRW4804T	E 4X/4X/24X	ATAPI	135MS	2048K \$174
YAMAHA www.yamaha.com	n			
MDDEL#	W/RW/READ	INTERFACE	ACCESS	CACHE PRICE
YACRW8424SDE		SCSI	140MS	4096K \$229
YACRW8424E0E		ATAPI	140MS	4096K \$209
YACRW8424E	8X/4X/24X	ATAPI	140MS	4096K \$222
YACRW8424S	8X/4X/24X	SCSI	140MS	4096K \$269
SONY	W19.159 E.151	9901	1.191110	
SY48XIDE	48X/7200KB	ATAPI	85MS	128K \$40
SYCRX140E/CH	8X/4X/32X	ATAPI	150MS	4096K \$204
SYCRX140S/CH	8X/4X/32X	SCSI	150MS	4096K \$227
SVCRX145E/CH	10X/4X/32X	ATAPI	150MS	4096K \$249

#### www.spartantech.com

Please visit our website for more details on our products and the latest prices!!!

#### MODEMS

_	www.scom.com	
303595	56 KBPS DATA/14.4kbps FAX INT PCI V.90 OEM/WIN	\$27
303594	56 KBPS DATA/14.4kbps FAX INT PCI V.90 OEM/VOICE	\$30
302975	56 KBPS DATA/14.4kbps FAX INT PCI V.90 DEM/NO VDICE	\$35
3C2974	56 KBPS DATA/14.4kbps FAX INT PCI V.90 OEM/VOICE	\$32
3C2977	56 KBPS DATA/14.4kbps FAX INT PCI V.90 CEM/NON WIN	\$48
302976	56 KBPS DATA/14.4kbps FAX INT PCI V.90 CEM/NON WIN	\$56
CRE	ATIVE	

RETE770

www.creative.com	
CLDI5655 56 KBPS DATA/14.4kbps FAX INT PCI V.90 VOICE	\$2
CLDISSED SE KRPS DATA/14 4kbps FAX INT PCLV 90 NON WIN	\$2

#### MONITORS

ViewSoni	C	mano ula	wsonic.com		
VIE651	180	2000	100% V 769		6150
VIE655			1280 X 1024		
VIG653	157				
VIM50	150	.200P			
VICAGE	151		10000		
VIGA6S5		.27DP	14001111111		
VIE771		.27DP	1280 X 1024		
VIG773		.26DP	1280 X 1024		
VIGS771		.27DP	1280 X 1024	**********	
111010	17	.27DP	1280 X 1024		
VIGT775	17	.25DP	1600 X 1280	**********	\$339
VIGA771	17	.27DP	1280 X 1024	W/SPEAKERS	\$369
VIPT775	17"	.25DP	1600 X 1280		\$449
VIE790	19"	.26DP	1600 X 1200		\$352
VIPS790		.25DP	1600 X 1280		\$487
VIG790	19"	.26DP	1600 X 1280		
VIPE790	19"	.25DP	1600 X 1280		
VIG810	21"	.25DP	1600 X 1280		
			1600 X 1200		\$839
VIMB110	21"	26DP	1600 X 1280	.W/SPEAKERS	\$939
VIVPA150				1024 X 768	
VIVPD150				1024 X 768	
VIVG180				E 1280 X 1024	
VIII.00	LOU	moniton	TO: T VIEWADE	E 1200 N 1024	30240
RELYSIS		ou roberir o	om		
DETERE	150	nend cond	1700 V 1001		reann
DETEROOD.	10	ZCUP	1200 A 1024		

We Also Carry CASES, REMOVABLE DRIVES. NETWORK CARDS, HUBS, KEYBOARDS, MICE, & MORE!!!

1280 X 1024 1600 X 1200

28DF

Visit our web site and shop on-line for these and other fine products that we simply don't have enough room to list in this print ad!

WE ACCEPT WILL CALL ORDERS!!! PLEASE CALL FOR DETAILS

Shop Online @

www.spartantech.com



Prices fluctuate beyond our control and may therefore change for better or worse. Shipping and handling charges are not refundable. Restocking fee on all returns, Prices do not reflect shipping and handling costs or Illinois sales tax. No surcharge on VISA, MasterCard, American Express or Discover, C.O.D.s. accepted. Shipping to another address and credit verification may cause delays. All prices and specifications subject to change without notice. See our website for all policies. Trademarks and tradenames are the property of their respective companies

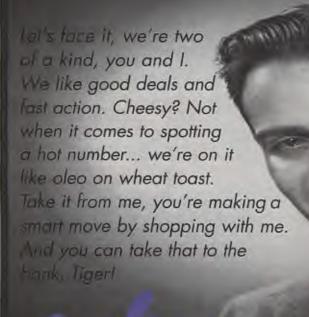
WWW SPARTANTECH COM

HOURS (CST) Fri, 8am - 6pm Sat. 9am - 1pm

SPARTAN TECHNOLOGIES, INC. M - Th 8am - 8pm 531 W. GOLF RD. ARLINGTON HTS, IL. 60005 FAX: (847) 364-9700



CUSTOMER SERVICE DEPARTMENT



əmer Relutica — Spaçialis

#### "Say, you're new here, aren't you?"

#### Just pick-up lines?

Not when you find out what kind of website you're dealing with. With all the super business software you need to grow your company at swell prices, and did I mention the FREE SHIPPING you'll find that atomicpark.com is a place you'll want to visit over and over and over again. Oh, yeah!

Just take a looksee at only a few of our fantastic etchings, er...I mean offerings:

#### Office2000

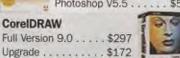
#### **OFFICE 2000 Professional**

Comp/Ver. Upgrade . . . . . \$209 



#### **Adobe Products**

Pagemaker V.6.5.2 . . . . \$427 Acrobat V4.0 . . . . . . . \$189 Photoshop V5.5 . . .



#### Microsoft Visual Studio

Professional V6.0 Full . . . . \$624 Professional V6.0 Upgrade. \$387 Enterprise V6.0 Full . . . . \$1025 Studio Enterprise V6.0 Upgrade . . \$757



ACT! 2000	\$135
pcAnywhere V9.2	\$127
SystemWorks 2000 .	. \$49



#### **BackOffice**

BO SBS4.5 w/5 Cals	\$1175
SQL V7.0 w/5 Cals	\$1045
Windows 2000 Server w/5 Cals	. \$747

#### FREE SHIPPING!

Super software sold at swell prices. www.atomicpark.com - 888-322-4250



# Dot-Gom Darwinism

How to Be Among The Fittest

#### PLUS

- Networking With Linux
- Links That Pay Commissions
- Free Business Productivity Tools

# THE LAST ONE OUT SHOULD TURN OFF THE LIGHTS:

OUR SERVER WORKS PERFECTLY

WELL WITHOUT THEM.]

6 6

8 6

1 0





The Dell™ PowerEdge™ 2400 server, with dual Intel® Pentium® III processors at up to 866MHz, doesn't mind burning the midnight oil. As a matter of fact, all Dell servers are built from the ground up to provide your company with high levels of reliability and availability. With optional hot-swappable power supplies, hard drives, fans, and embedded RAID for optimal uptime, Dell servers are more than just powerful machines. They're employees you can trust to work overtime, seven days a week.

#### **DELL™ SERVERS:**

#### DELL" POWEREDGE" 1300

Affordable Entry Level Server

- Intel® Pentium® III Processor at 600MHz (up to 800MHz)
- Dual Processor/RAID Capable
- 64MB 100MHz ECC SDRAM (up to 1GB)
- 9GB\* 7200 RPM Ultra-2/LVD SCSI HD (up to 36GB\*)
- 108GB Internal Storage Capacity
- NIC & Integrated SCSI Controllers; 40X Max CD-ROM
- Dell<sup>™</sup> OpenManage<sup>™</sup> Server Management Solutions
- 3-Yr NBD On-site Service\*; 7x24 Phone Support

\$1599 @ E-VALUE CODE 05837-290715

BUSINESS LEASE; \$56/MO., 36 MOS.

- Small Business Upgrade Bundle, add \$1877
- Second Intel\* Pentium\* III Processor at 600MHz, add \$449

#### DELL" POWEREDGE" 2400

Workgroup Server

- Intel® Pentium® III Processor at 667MHz (up to 866MHz)
- Dual Processor Capable
- 64MB 133MHz ECC SDRAM (up to 2GB)
- 9GB<sup>1</sup> 7200 RPM Ultra-2/LVD SCSI HD (up to 36GB<sup>1</sup>)
- Up to 288GB Hot-swappable Internal Storage Capacity
- Integrated NIC/SCSI Controllers; 40X Max CD-ROM
- Dell™ OpenManage™ Server Management Solutions
- 3-Yr NBD On-site Service<sup>3</sup>; 7x24 Phone Support

\$2499 @ E-VALUE CODE 05837-290724

BUSINESS LEASE: \$87/MO., 36 MOS.

- Single-channel RAID with 64MB Cache, add \$299
- NEW Microsoft\* Windows\* 2000 Server, add \$799

#### DELL" POWEREDGE" 2400

Workgroup Server

- Intel® Pentium® III Processor at 667MHz (up to 866MHz)
- Dual Processor Capable
- 128MB 288MHz ECC SDRAM (up to 2GB)
- 2x9GB1 7200 RPM Ultra-2/LVD SCSI HD (up to 36GB1)
- Up to 288GB Hot-swappable Internal Storage Capacity
- Embedded Single-channel RAID with 64MB Cache
- Integrated NIC/SCSI Controllers; 40X Max CD-ROM
- Redundant Hot-swappable Power Supplies
   Dell™ OpenManage™ Server Management Solutions

\$3359 @ E-VALUE CODE 05837-290733

BUSINESS LEASE; \$118/MO., 36 MOS."

■ Red Hat\* Linux 6.2, add \$149

#### DELL" POWEREDGE" 4400

NEW-Departmental Server

- Intel® Pentium® III Xeon™ Processor at 733MHz (up to 866MHz)
- Dual Processor/RAID Capable
- 128MB 133MHz ECC SDRAM (up to 4GB)
- 9GB° 7200 RPM Ultra3 SCSI HD (up to 36GB°)
- Up to 360GB Hot-Swappable Internal Storage Capacity
- Integrated NIC/SCSI Controllers; 40X Max CD-ROM
- Dell™ OpenManage™ Server Management Solutions
   1-Yr DirectLine® Network Operating System Support

\$4799 @ E-VALUE CODE 05837-290747

BUSINESS LEASE: \$168/MO., 36 MOS

- Redundant Hot-swappable Power Supplies, add \$250
- Dual-channel RAID with 64MB Cache, add \$899



GET EXACTLY WHAT YOUR BUSINESS IS LOOKING FOR.

800.374.9526

WWW.DELL.COM



USE THE POWER OF THE E-VALUE CODE. Malch our latest nichnal ogy with our latest prices. Enter the E-VALUE code unline or give it to your sales rep over the phone, www.deli.com/avalue Call: M-F7a-5p | Sat 10a-6p | S



# FINALLY, A COMPUTER DESIGNED TO SAVE YOU MONEY AFTER YOU BUY IT.



Winlist Award, Dell " Optiplex" GX110

Want some good news for a change? The Dell™ OptiPlex™ desktops you buy today will not only be compatible with the OptiPlex systems you already own, but also with the Opti's you buy in the future. Plus, you can upgrade and service them easily thanks to the OptiFrame™ Tool-less Chassis. And Dell OpenManage™ tools help you set up, support, and maintain your network. So not only will you save yourself heaps of aspirin, you'll save your company buckets of money.

#### DELL" OPTIPLEX" GXIIO

Network-Optimized Managed PC

- Intel® Pentium® III Processor at 667MHz
- 64MB SDRAM (up to 512MB)
- 7.5GB\* SMART II Ultra ATA HD (up to 30GB\*)
- 15" (13.8" vis) E550 Monitor (up to Flat Panel)
- Intel® 3D® AGP Graphics
- Integrated 3Com\* 10/100 NIC
- NEW Microsoft\* Windows\* 2000 Professional
- OptiFrame Small Form Factor Tool-less Chassis
- 3-Yr NBD On-site Service<sup>1</sup>

\$999 @ E-VALUE CODE 05838-390709

BUSINESS LEASE: \$35/MO., 36 MOS."

Flat Panel Monitor Sold as an Upgrade



THE E-VALUE CODE, Maich our latest technology with our latest prices. Enter the E-VALUE code online or give it in your sales reployer the phone, www.dell.com/evalue.

USE THE POWER OF



GET EXACTLY WHAT YOUR BUSINESS IS LOOKING FOR.

800.374.9526

WWW.DELL.COM

BY DONNA TAPELLINI

Natural selection has begun among e-commerce sites. Here's how to be one of the fittest.

WO-THIRDS OF THE DOT-COMS IN EXISTENCE TODAY WILL BE OUT of business a year from now. That prediction from Randy Covill, senior analyst of e-commerce strategies and applications at AMR Research, sounds troubling, but consider this: 85 million users will buy online in 2003, according to Jupiter Communications.

To help you ensure your business is among those servicing the 85 million, we polled analysts and authors for their advice on thriving in the new economy. Here are some of their crucial tips for survival:

Put customer service first.

"The key thing a dot-com should understand is the need to focus on retailing excellence, not technology and not the latest Internet buzz," says Covill. Technology can't take the place of a quality product, a wide selection, a fair return policy, and prompt shipping.

"They came, they shopped, but they weren't serviced, so they didn't come back. You can't automate your way around this one," adds Alan Alper, analyst for Gomez Advisors.

Be easy to reach. Offer your customers more than one way to make purchases and get in touch with you. "On Monday, your customers might want to

buy from a brick-and-mortar store," says Covill. "Tuesday, they'll pick up the phone for a direct-mail purchase; Wednesday, they'll buy from a catalog; Thursday, from the Internet; and Friday, from another distributor." A business that covers all those channels has the best shot at success.

The same goes for customer service. "People still crave human contact," says Alper, "so give them VOIP [voice over IP], chat, or instant messaging."

Create partnerships. Successful dot-coms,



Covill says, will partner with traditional retailers, "Six months from now, we'll see a race for dot-coms to sell themselves to brick-and-mortar stores," he says. "It's really hard to be a pure-play Internet company-it takes a long time to build a brand."

Don't believe your own press. Humility and hard work will do more for your success than media attention, "The new economy gives people a sense that they lack vulnerability," says Terry Pearce, co-author of Clicks and Mortar: Passion Driven Growth in an Internet Driven World. "But a great idea that's not backed up by hard work won't make it over the long haul."

Listen to what customers say about you. The traditional retail model is all about control, says David Weinberger, co-author of The Cluetrain Manifesto: The End of Business as Usual, "Don't slip back into the old corporate arrogance of 'We're the experts and in control of your shopping experience."

The Web is about conversation, he says, and online conversations are nothing like the ones traditional companies try so hard to control. Consumers go to customerbased review sites and usenets to gather real information from real people about which products work, he says, stressing the importance of learning how to listen. "Don't try to get your message into the conversation. Lurking is good."

Make a profit. This may sound obvious, but it's what investors are going to look for from now on. "The honeymoon is over," says AMR's Covill, "Wall Street is looking now for profitability, or progress toward it. Growing market share isn't enough if you lose money on everything you sell."

Be prepared for growth. "It can be very challenging to maintain a Web site as it scales up," says Weinberger. "Assume from the start that you're going to succeed, and start with components that let you scale."

Don't depend on banner ads alone. Avoid viewing your product as a commodity selling at a low margin, counting on banner-ad revenues to carry you to profitability. "The advertising model will only work for a small number of dotcoms-those that get high traffic in the millions," cautions Covill.

Evaluate your performance. Invest in software and tools that measure your site's success. The ratio of visitors to buyers, for instance, is more useful than a total visitor count.

With business models changing so rapidly, it's easy to lose sight of the constant-satisfying the customer. Dot-coms must never forget the lessons of successful brick-and-mortar businesses, be they catalogers, department stores, direct marketers, or mom-and-pop shops. Along with a great price, consumers still want a friendly, hassle-free shopping experience. "This is a phenomenal new technology," notes Pearce. "But we can't lose the perspective of a hundred years of doing business." \(\neg \)

#### E-SERVICES

# Zero-Cost Jusiness

BY LYNN GINSBURG

Free suites offer everything from invoicing to word processing.

ITH SO MANY FREE BUSINESS APPS ON THE WEB, IT'S A CHALLENGE just choosing among all the offerings. Another challenge is finding one that's both free and good. We found two: a work-flow and accounting suite, complete with invoicing, scheduling, accounts receivable, payment processing and general ledger; and an office suite, with word processing, spreadsheet, and presentation programs.

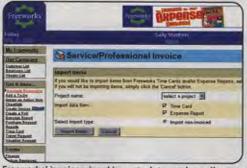
If you're suspicious of anything free, you're already asking, "What's the catch?" First

of all, at most of these sites, you must view banner ads. Others offer extracharge premium services. And most important, some free businessapplication suites are worth exactly what you pay for them. But you can find a few very good programs, including Freeworks and ThinkFree Office. Both are advertiser-supported, and both plan to offer premium services.

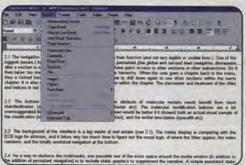
One of the most useful and best-designed of the free business-application suites, Freeworks (www.freeworks.com) offers work-flow and accounting applications that speed typical office tasks, such as creating invoices, tracking accounts receivable, processing payments, and completing expense reports, purchase orders, and time cards.

Wizards walk you through each application. To invoice a customer, just follow the prompts to fill in customer and contact-information fields. A single click adds this data to your customer list for future use in other modules. You can also import contacts from QuickBooks. Next, you fill in invoice and purchase-order numbers, invoice and due dates, and payment terms. The program calculates totals and applicable taxes or discounts. When you're finished, the invoice is automatically added to your accounts-receivable ledger.

Freeworks' modules load quickly and are easy to navigate. The suite is functional



Freeworks' invoice wizard imports data, such as client lists and expense reports, from other modules.



ThinkFree Write lets you import and export files in Microsoft Word format.

> and usable, which is no surprise, because much of Freeworks' top management comes from Intuit, maker of the elegant and intuitive Quicken and QuickBooks. It's certainly not as robust as a shrink-wrapped application like QuickBooks, but it's a good choice for small businesses looking for groupware functionality for common work

flow tasks. One of its main drawbacks is you must be online to use it. And although you don't pay to use the service, you do have to view ads.

#### THINKFREE OFFICE

If it's office-productivity apps you're looking for, think ThinkFree Office (thinkfree.com). The suite provides Microsoft Office-like software applications, including a word processor, spreadsheet, and presentation program. You also get 20MB of storage space on ThinkFree's server, which you can expand by an additional 5MB per head for new-user referrals. Other companies that offer free online office suites include FreeDesk.com and NuoMedia.com, but of the three, only ThinkFree can be used both online and off.

The software download is the most timeconsuming aspect of the ThinkFree service. The file can be as big as 8MB, depending on the modules you choose. Our initial download and automated installation failed repeatedly, but after switching PCs, we succeeded.

Modeled after Microsoft Office in appearance and menu structure, ThinkFree Office should be familiar to anyone who's used the popular desktop suite. In fact, ThinkFree's Write word processor can import and export files in Microsoft Word format, its Calc spreadsheet program can import and save in Microsoft Excel format, and its Show presentations program can import and export to Microsoft Power-Point. All three are full-featured Java programs with cross-platform compatibility, able to run in a browser on Windows, Unix, Linux, and Macintosh. (At press time, Calc was in alpha and Show was in beta.)

ThinkFree considers the suite not a replacement for shrink-wrapped office productivity suites, but a complement. It lacks many of the advanced features of these suites-for example, Write lacks a thesaurus, grammar checker, and macros, and Calc lacks pivot tables. But for those who don't need the in-depth features of these packages, it's an excellent-and free-alternative.

Like Freeworks, ThinkFree is adsupported; ads appear in all its applications at the bottom of the window. The company plans to offer an ad-free version by the fourth quarter of this year, as well as premium features, such as math-equation editors, table editors, advanced charting packages, and industry-specific grammar and spelling checkers. V

## **W.COMPDIRECT.COM**

**DBA BARNETTS COMPUTER WAREHOUSE** 

417 Fifth Avenue • New York, NY 10016 • Se Habla Espanol

(212) 696-4777 • FAX: (212) 683-7357

## (800) 931-7070

#### TOSHIBA SATELITE 1605CD5 - K62 450 Mhz - 32 MB Ram 4.3 Gig HD 12.1" Color Display 24X CD Rom 56K Modem \$849

COMPAC

PRESARIO 1200XL110 • AMD K62 475 • 64 MB Ram

5 Gig HD

24X CD Re 56K Mode

\$1199

AUTHORIZED DEALER SATELITE SERIES

1555CDS K6-2 380, 32/4 3G, 12.1" DS, 24X CD, 56K.

2140XCDS K6-2 450, 64/4.3G, 13" DS, 24X CD, 56K.

1625CDT K6-2 475, 64/4.3G, 12.1"TF, 24X CD, 56K.

2180CDT K6-2 475, 64/4.3G, 12.1"TF, 24X CD, 56K.

2180CDT K6-2 475, 64/4.3G, 12.1"TF, 24X CD, 56K.

2210CDT C 500, 64/6G, 13" DS, 24X CD, 56K.

2210CDT C 500, 64/6G, 13" DS, 24X CD, 56K.

2615DVD C 433, 64/6G, 12.1"TFT, DVD, 56K.

2653XDVD PII 450, 64/6G, 12.1"TFT, DVD, 56K.

4260DVD PII 450, 64/6G, 13.1"TFT, DVD, 56K. SATELITE SERIES .869 .999 1349 1299. 1399. 1599. 1899. 4280XDVD PIII 500, 64/6G, 14.1\*TFT, 6X DVD, 56K.... 4280ZDVD PIII 500, 64/6G, 15\*TFT, 6X DVD, 56K....

	45005000	- 200,04,00,1	. It is town
PORTEGE SERIES			+wir
3110 Pil 300, 64/6,4G, 10.4"TFT, 56K	1499.	100 March 1980	-
8440 PIII 500, 64/6G, 11.3"TFT, 3.4lbs, 56K	*2199.		SA
7010 PII 300, 32/4,3G, 12,1"TFT, 56K	1699.	The same	
7020 PII 366, 64/6.4G, 13.3"TFT, 56K	1999.	ALC: ALC: ALC: ALC: ALC: ALC: ALC: ALC:	
7140 PIII 500, 64/6G, 13.3"TFT, 56K	2399.	E Inc.	
7200 PIII 600, 64/12G, 13.3*TFT, 56K	CALL	The second	
TECRA 8000/8100 SERIES		100	
B51 PII 400, 64/10G, 14.1"TFT, 24X CD, 56K.	1999.		
00953 PIII 450, 64/6G, 14.1 TFT, 24X CD, 56K	2099.	No.	





	1900XL163 PI
ARMADA M SERIES	
M300 PIII 500, 64/6G, 11.3°TFT, 24X CD, 56K	2499.
M300 PIII 500, 64/12G, 11.3°TFT, 24X CD, 56K	CALL
M700 PIII 650, 64/6G, 14.1"TFT, 24X CD, 56K	
M700 PIII 700, 64/12G, 14.1" TFT, DVD, 56K	CALL
ARMADA E SERIES	
E500 PW 600, 64/12G, 14.1"TFT, 24X CD, 56K	2799.
E500 PIII 650, 64/12G, 14,1"TFT, DVD, 56K	
E500 PIII 700, 64/12G, 15"TFT, 24X CD, 56K	CALL
E700 PIII 500, 128/18G, 15"TFT, DVD, 56K	CALL
PROSIGNIA SERIES	
170 PIII 450, 64/6G, 14.1°TFT, 4X DVD, 56K	2499.
190 Pill 500, 64/12G, 14.1"TFT, 4X DVD, 56K	CALL





	505 SERIES	-
	505DX C433,32/4.8G, 12.1"HPA, 24X CD, 56K	
	505T C433,32/4,8G, 12,1"TFT, 24X CD, 56K	1399.
1	510 SERIES	
۱	514T C466, 64/4.8G, 12.1°TFT, 24X CD, 56K	1599.
	514TXV C466, 64/6G, 14.1"TFT, 6X DVD, 56K	1699.
ı	340 SERIES (4 LBS.)	
ı	340T PIII 450, 64/6, 4G, 12.1" TFT, 24X CD, 56K	1749.
ı	342T PIII 500, 64/9G, 12.1" TFT, 24X CD, 56K	
ı	600 SERIES (5 LBS., CDRW)	
ı		CALL
ı	730 SERIES (5.5 HR BATT TESTED)	
ı	730TXV PIII 450, 64/8G, 14,1°TFT, 6X DVD, 56K	1899.
J	732TXV PIII 500, 64/9G, 14.1"TFT, 6X DVD, 56K	

\$329



THINKPAD 570 SERIES



THINKPAD T 2647 31U PIII 650
 128 MB Ram 6 Gig HD 14.1 Active 6XDVD Drive 56K Modem \$3499

THINKPAD | SERIES - 1200 1250i C 500, 64/6G, 12.1 "TFT, 24X CD, 56K 1260i C 550, 64/6G, 13.3 "TFT, 24X CD, 56K 1399. 1599. 12001 C 550, 64/6G, 13.3 ° F1, 24X CD, 56K.
THINKPAD I SERIES - 1300
13101 C 500, 64/6G, 12.1 ° TF1, 24X CD, 56K.
13401 C 500, 64/6G, 12.1 ° TF1, 24X CD, 56K.
THINKPAD I SERIES - 1400
14221 C 500, 32/6G, 13.3 ° TF7, 24X CD, 56K.
14421 C 500, 64/6AG, 12.1 ° TF7, DVD, 56K. 1199. 1499 CALL 1099. 1599. 14421 C 500, 64/6, 44, 12.1" H1, DVD, 56K...
THINKPAD I SERIES - 1500
15411 C 466, 64/6G, 12.1" TFT, 24X CD, 56K...
15601 C 456, 64/6, 44, 14.1" TFT, 24X CD, 56K...
15621 PIB 500, 64/12G, 14.1" TFT, 24X CD, 56K...
15921 PIB 500, 64/12G, 15" TFT, 24X CD, 56K... 1499. 2299. CALL



THINKPAD i 1483 P III
 64 MB Ram
 12 Gig HD
 14.1" Active
 Color Display
 24XCD Drive
 56K Modem

œ

\$1899

THINKPAD T SERIES

2647 21U PIII 650, 128/6G, 13.3\*TFT, 24XCD,W98. 2999. 2647 61U PIII 650, 128/6G, 13.3\*TFT, 24XCD,W2K. CALL 2647 41U PIII 700, 128/12G, 14.1\*TFT, DVD, W98. CALL 2647 81U PIII 700, 128/12G, 14.1\*TFT, DVD, W2K...CALL THINKPAD A SERIES

2629 61U PH 700, 128/18G, 15" TFT, DVD, W98... 2629 62U PIII 700, 128/18G, 15"TFT, DVD, W2K ..... CALL

#### SONY



		VAIC	JALL IN ON	ENGIE	BOOK	
	PCG-F420 P	III 450.6	4/6G, 13.1"H	PA, 24X	CD. 56K	1499.
v	PCG-F520 P	III 500, 6	4/6G, 13.1"H	PA, 24X	CD, 56K	1699.
'n	PCG-F430 P	111 450, 6	4/6G, 14.1°TI	FT, 4X D	VD. 56K	*2099.
	PCG-F450 P	III 500.6	4/9G.14.1°TI	FT, 4X D	VD. 56K	**2199.
1	PCG-F480 P	III 600. 6	4/12G, 15°TE	T. 4X D	/D. 56K	2899.
ı	PCG-F480K	PIII 600.	64/12G, 15"	IFT, 4X I	DVD, 56K W28	CALL
ı	PCG-F560 P	III 600. 6	4/9G.14.1°TI	FT, 8X D	VD. 56K	-2499.
N	PCG-F560K	PIII 600.	64/9G.14.1"	TET, 8X	DVD, 56K wz	*2599.
ı	PCG-F580 P	III 650.6	4/12G, 15°TE	T. 8X DA	D. 56K	2899.
ı.	PCG-F580K	PIII 650.	64/126.15	TET. 8X D	WD. 56K W2K	2999.
ľ	PCG-F490 P	III 650.1	28/18G.15*1	FT.4X	OVD, 56K	3499.
٩					DVD, 56K WIN	
ir	56K	2799	* HAW SONY \$100 H	tion -	ther SONY GOO Insus	

CG-XG18 PIII 650,128/18G, 13.3" TFT, DVD, 56K2799.	
CG-XG19 PIII 650,128/18G, 14.1"TFT, CDRW, 56KCALL	
VAIO 505/SR SUPER SLIM	E
CG-N505VE C 333, 64/6.4G, 10.4"TFT, 56K (2.7 lbs.) 1399.	н
CG-N505VX PII 333, 64/6.4G, 10.4"TFT, 56K (2.7 lbs.) CALL	ш
CG-SR5K PIII 500, 64/9G, 10.4"TFT, 56K (3 lbs.) W2K *1899.	н
CG-SR7K PIII 600, 128/12G, 10.4"TFT, 56K (3 lbs.) W2K"CALL	ш
VAIO Z505 SUPER SLIM PRO (WIN 2000 ADD \$700)	ш
CG-Z505NE PIII 450, 64/8G, 12.1°TFT, 56K	н
CG-Z505JE PIII S00, 64/9G, 12.1°TFT, 56K	н

PCG-Z505HS PIII 500,128/12G, 12.1°TFT, 56K PCG-Z505JS PIII 650,128/12G, 12.1°TFT, 56K. VAIO PICTURE BOOK PCG-C1X5 PII 400, 64/12G, 8.9°TFT, 561 CALL

PCG-XG28 PIII 650 Mhz 128 MB Ram 12 Gig HD 13.3° TFT Display 8X DVD \$2899

#### GING AL DIG

899 1049.

1799

1899 2199

CALL

CALL

1799

#### Kodak

2240 × 1500 5649









ارت



PDR-M5
• 2.3 Megapixel
• Built-In Flash
• Zoom

PDR-M70

3.3 Mégapixel
2X Dígital Zoom



\$619

#### **OLYMPUS**

C-30307 3.3 Megapixel 2048 x 1536

3x Zoom Up to 2.5x

Digital Telephote MPEG Movie Capture



#### **OLYMPUS**

C-3000Z 3.3 Megapix 2048 x 1536 3x Zoom Up to 2.5x



#### Nikon

COOLPIX 990 3x Zoom Lens





#### SONY

DIGITAL STILL CAMERAS DSC-530 1.6 MEGAPIXEL - \$449 DSC-550 2.1 MEGAPIXEL - \$599 DSC-570 3.3 MEGAPIXEL - \$999

6X Digital Zoom - USB Interface
 Optional floppy adapter

#### Canon

POWERSHOT DIGITAL FLPH 2.1 Megapixel

520 3.3 Megapixel 5649

\$499

#### OLYMPUS

C-2500 SLR

.5 Megapixel 1712 x 1368 Built-in Flash

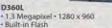
Hot Shoe accepts optional flash units 32 Mb SmartMedia Card

#### OLYMPUS

 1.3 Megapixel
 1280 x 960 3x Zoom

















#### BUILDING WEB COMMERCE

DAVE ETHVIN

hatever visitors to your site are buying from you, they're likely to be buying related merchandise from other sites. Those who frequent sites that sell vintage car parts, for instance, may also buy books on classic cars and possibly

radar detectors. And visitors to sites listing local day-care centers often buy children's books, toys, and educational software. By joining forces with related e-commerce sites through associate (or affiliate) programs, you can increase your profits without maintaining additional inventory.

Through associate programs, you become a sales outlet for other e-commerce sites. If someone links to an associate site from your site and buys there, you earn a commission. Implementations range from placing a graphic link from your site to the affiliate to creating complete pages on your site with photos, descriptions, and prices for the affiliate's products.

#### CHOOSE YOUR PARTNERS

It's best to sign up with a limited number of merchants, so you can focus your efforts effectively. If you pick a site such as Amazon.com, you can offer nearly any kind of general consumer product, from books

By providing links to sites that sell complementary products, you can profit from the sales without the hassles of fulfillment.

to electronics to kitchen faucets.

An easy way to consolidate your efforts is to sign up with a program such as Commission Junction (www.cj.com), which handles affiliate programs for more than 100 merchants (see www.cj.com/clients/cli\_mer. asp) and combines payments into a

single commission check. Many individual programs delay payment until you reach a minimum.

You may even want to offer links to multiple merchants for the same product. A shopper may have a preference for one merchant over another or may want a specialized service such as gift-wrapping that's not available from all merchants. You could call out these differences in your link descriptions, so visitors

know the value of one merchant over another. If you do such comparison-shopping for your visitors, they're more likely to buy through your links.

Before you sign on with any affiliate program, read its rules carefully. The company should spell out its policies on frequency of payment, minimum required before payment, and possible limitations on how you can use the merchant's name in your advertising. Also consider the merchant's reputation, customer service, prices, and product quality. Pick a company whose products and services will make your own visitors happy, or you'll be guilty by association.

The merchant will also spell out its commission rate. Although this is important, keep in mind it could change. As recent stock-market gyrations have shown, Wall Street is tiring of virtual businesses that haven't shown a clear path toward profitability, and e-commerce sites are seeking cost savings. Recently, eToys significantly reduced the generosity of its associate program, and others may follow suit.

#### FOR SALE BY ASSOCIATE

Once you sign up as an associate, you'll get an account number. Any links from your site should include this number in the exact form the site specifies in the instructions. This is how the merchant identifies purchases that come from your site. Test your links by clicking through to the other site and making sure the click-through is recorded on your reports. You may even want to try a test purchase.

When creating a link to a merchant's site, suggest a specific product or service. Using a merchant's generic graphics is easier, but not necessarily fruitful. The Amazon.com graph-



Amazon.com's Web-based reports offer flexibility in tracking your results.



ic shown in the sidebar, "It Pays to Be Specific," was placed on the left navigation bar of a site with more than 100 pages. Though the site received more than 200,000 page views during a two-week period, only 42 visitors clicked the graphic, and none purchased anything. Most surfers instinctively ignore ad-like graphics on the periphery of Web pages. In contrast, the simple text-only purchase link to Chumbo.com shown in the sidebar appeared on a single page. The page received only 8,000 page views in two weeks, yet 51 people clicked the purchase link.

The moral; If you're looking for income, suggest a specific product or products, and make sure it's relevant to your own site's content. Using the classic-car example, if you want to link to Amazon.com from your section on Ford Mustang parts, link to the glossy Ford Mustang book at www.amazon.com/exec/obidos/ASIN/0879389907 rather than Amazon.com's home page.

Besides driving more sales, a specific product URL will often earn you a higher commission. Amazon.com, for instance, pays a 15 percent commission on direct-URL purchases and only 5 percent on other sales. At \$49.95, the book would net you \$7.49 as a direct purchase, and you don't have to do any of the shipping or fulfillment. The trade-off is you have to work harder to find the most appropriate products for your visitors.

#### THIS SPACE FOR RENT

If you don't have the time to devote to this kind of work, consider "subleasing" some of your site to another Web store. Affinia's Product Placement Network (www.affinia.com/ppn) will pay for a slice of your Web page. It uses the space to display items of interest to your visitors, and it does all the work of choosing the products and handling the purchase. In return, you get paid based on the number of page views and purchases your site generates. The rate ranges from \$2 to \$5 per thousand impressions, or page views, depending on how many of those impressions result in purchases. The Affinia listings aren't generic banner ads but actual product listings in a 120x240-pixel graphic. Affinia determines the best products to run, based on response rates and profiles of your site visitors.

Once you paste the necessary HTML code into as many of your site's pages as you want, Affinia automatically fills the space with product placements. You need a minimum traffic level of 250,000 page views per month and a visitor profile appropriate for Affinia's product mix. Although the commission rate is low, Affinia delegates the hassle of doing the sales work to a group that's financially motivated to increase sales. Plus, you can still run standard banner ads on your site. So it's found money, if you're willing to give up the real estate on your Web page.

Programs like these are among the Web's great success stories. Web merchants benefit from increased sales, and associates earn a tidy income without the hassle of handling the logistics of the sale. It's not just about money, either: Offering your visitors the right products can save them time. By making your own site more valuable, you'll encourage return trips. It's a win-win-win situation for Web merchants, your customers, and you.

## it Days to be specific

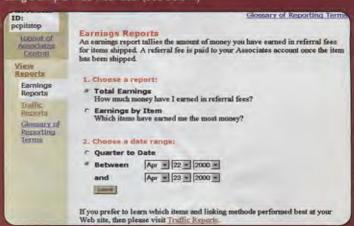
our links to other merchants' sites don't have to be pretty, just functional. The simple Amazon.com graphic at right is attractive and easy to link to your page, but your visitors will probably ignore it.

A text link to a specific product, such as the one below to Chumbo.com, will draw a lot more clicks.



Another common reason for slow uncached speed on SCSI disks is that the
drive's write cache is turned off. SCSI disks usually have write cache turned off
by default, because they are often used in high-reliability applications such servers. This significantly reduces performance for large disk writes. You can
enable a disk's SCSI write cache using a utility such as Adaptec EZ-SCSI.
(Purchase EZ-SCSI from Chumbo.com)

Most associate programs offer Web-based tracking tools, so you can see which types of links and products do best. Amazon.com provides more than a dozen reports you can sort by clicks, purchases, or date using a simple Web interface. (See below.)



Amazon's reports are updated daily, so you can keep close track of your progress, noting which items sell and which to consider replacing. The report shown here, for instance, reveals what happened when no specific product link was provided. Nobody bought anything, and most

amazon.com.					
MINISTRE CHIMI	4202+201	gia pimo line	200		
aily Traffic Repor		G	lossery of Reporting Te		
Date	Unique Visitors	Clicks	Items Ordered		
April 1, 2000	2	2	0		
April 3, 2000	2	2	0		
April 4, 2000	2	2	0		
April 5, 2000	1	1	0		
April 7, 2000	3	3	0		
April 8, 2000	9	10	0		
April 9, 2000	8	10	0		
April 10, 2000	6	7	0		
April 11, 2000:	4	- 4	0		
April 12, 2000	3	3	0		
April 14, 2000	2	2	0		
3161	42	46	0		

visitors viewed only one page and left immediately.

NETWORKABLE K

# Chea

GRINZO

If you have the proper know-how in-house, a Linux-based network can save vou money.

lear away all the hype surrounding Linux, and you'll find one area where it's already having a huge impact-the server market. It's not hard to see why. Linux is cheap or even free, extremely robust, and makes the most of its Unix heritage. These strengths make Linux amazingly capable in virtually every networking scenario, not just in a traditional server role. But for all its strengths, Linux also has weaknesses. Your tolerance for these depends on the level of expertise of those responsible for its implementation and maintenance in your organization.

> A quick and easy way to sample Linux firsthand is to download one of the "loopback distributions," such as Phat Linux (www.phatlinux.com). You can install it into your Windows directory without having to repartition your hard drive or make any other configuration changes. You start this type of Linux distribution in DOS mode, and it

will peacefully coexist with your Windows files. Depending on your needs, such a distribution may be enough.

For a complete, commercially supported Linux system, your best bet is to use one of the major distributions, such as Red Hat, SuSE, Mandrake, or Caldera. The prices of these products are incredibly low and the array of choices broad. You can buy a copy of Red Hat 6.2 from your local dealer or a mail-order house and get varlous levels of support from Red Hat, depending on the package you purchase. You can also download the entire CD-ROM image in a single ISO file from the Internet and burn your own disk. (See www.linuxiso.org for ISO images for several Linux distributions.) Or you can buy a bare CD from an online merchant such as CheapBytes (www.cheapbytes.com) for as little as \$1.99.

Would-be Linux users have long been justifiably



concerned about the difficulty of installation. This has changed dramatically in the past year, and all the major distributions are now as easy, or even easier, to install than Windows. This is perhaps the surest sign of just how quickly Linux is evolving.

Linux is based on Unix and subscribes to a much different philosophy than Windows. True to its Unix heritage, Linux requires a hands-on, component-based approach. To get the most of your configuration, you need a higher level of expertise than with Windows, and in return you get a tremendous amount of flexibility and capability. This is particularly true in networking, where Linux, coupled with some add-on software, can do truly impressive things.

Linux networking is a complex and multifaceted topic, consuming many books and countless Web pages. Within this space, we can provide only a whirlwind tour, focusing on key aspects of Linux in a networked, enterprise context; sharing files with other

Linux/Unix systems, sharing files with Windows systems, and using Linux as a name server, firewall, or Web server. To learn more about a particular aspect of Linux, visit the Linux Documentation Project site (www.linuxdoc.org). The HOWTO section has several networkrelated documents. Unless noted, the software packages mentioned in this article are either included with Linux or available free on the Internet.

#### SHARING IN UNIX LAND AND BEYOND

Sharing files between Linux/Unix systems with Network File System (NFS) is straightforward, and the components you need to make any Linux system an NFS file server or client are included with all major distributions. With a little editing of plain-text configuration files, you can set up workstations on your LAN to make directories on file

combine NFS with Network Information System (NIS) as described below, so users can log in from any computer on a network and still access their personal

> files in a shared file space. To share

files or printers between Linux and Windows systems, try Samba, one of the more intriguing packages available for Linux. Although it's touted as a way to create a file or print server on an otherwise all-Windows network, it can also allow a Linux client access to files and printers on a Windows server.

Usually included with a Linux distribution, Samba is an open-source, freely available (www.samba.org) package providing Server Message Block (SMB) capabilities for Linux and Unix systems. Because SMB is the client/ server protocol Windows uses, Samba lets

your Linux system masquerade as a Windows client or server. In many cases, you can literal-

# **Get Your**

ou may find your copy of Linux includes everything you need to fulfill your networking requirements, at least for starters. As you require additional Linux add-ons and utilities, however, you'll find some of the top sources are Web sites that collect and categorize free Linux software. Here are some good starting points:

- freshmeat.net (freshmeat.net)
- SourceForge (www.sourceforge.net)
- LinuxApps.com (linuxapps.com)

#### news | bost buys | opinions | reviews | features | web buyer | biz-to-biz | help & how-to | reference

ly replace an existing Windows server with a Linux server without changing anything on the clients. Your users won't even know anything's changed (although Linux supporters say the observant Windows user will know right away by the reduced server downtime).

NetWare users don't use SMB and require routing based on Novell RIP and SAP protocols. Enterprises often have a significant investment in an existing network and its protocols, so they don't want to disturb it when adding a new capability. In a pre-existing NetWare configuration, Linux can once again be an impostor, fitting in as it does with Windows and SMB networking.

If you merely need Linux to act as an IPX router, try Volker Landecke's ipxripd, which builds NetWare routing tables from information available through RIP and SAP protocols. Linux natively supports both, but won't automatically extract the needed information and build NetWare routing tables without some help from ipxripd.

You can configure your Linux system to use file- and printer-sharing services on a NetWare network via the ncpfs package commonly included with Linux distributions. Linux can also act as a print or file server for NetWare clients by using Martin Stover's mars\_nwe, or you can have it provide just file-sharing services with ncpfs.

Even Novell has gotten into the act, selling a Linux version of its NDS eDirectory (www.novell.com/products/nds). Caldera also bundles a Linux distribution with its NetWare client; the current version is Caldera OpenLinux eDesktop 2.4.

#### THE NAME GAME

One of the endless joys of network management is dealing with name resolution, the means by which semi-human-friendly network names like zdnet,com or my\_server are converted into IP addresses like 192.168.1.1. This is yet another area where Linux can help, because you can configure it to provide Domain Name System (DNS) services for a LAN. If your network is small, with modest needs, you can get by with a plain-text file that maps names to IP addresses. Larger networks can run a package called Berkeley Internet Name Domain (BIND).

NIS isn't a name-resolution package, but it's often used to make name servers easier to manage. (NIS was originally called YP, for YellowPages, and the NIS server package for Linux is still called ypserv.) NIS is a generalized facility that keeps a set of files synchronized across multiple systems, making it easy to ensure network-routing information, password files, or other system-level information is always the same across multiple systems. It's not ideal on a large network, but for smaller installations, it can be a time-saver.

#### FIREWALLS: NOT FOR THE FAINT OF HEART

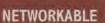
Don't underestimate the importance of a firewall in keeping evildoers out of your system. This is particularly true if you're among the rapidly expanding group with an always-on Internet connection, such as a cable modem.

Not surprisingly, you can configure Linux to act as a firewall to shield your entire LAN from intruders, but this is another topic with seemingly endless detail, and definitely not for rookies. We suggest you read the firewall HOWTO at www.linuxdoc.org/HOWTO/Firewall-HOWTO.html, then consult Robert L. Ziegler's book Linux Firewalls.

#### WEB SERVERS

One of the hottest topics in the industry today is HTTP servers. The dominant Webserver software is Apache (www.apache.org), used on more than 60 percent of the 14 million-plus Web sites, according to the latest Netcraft Web survey (www.netcraft.com/survey). Apache runs on Linux, Windows, and other platforms, and the Apache Software Foundation also has XML- and Javarelated projects under way.

No one wants to serve up plain, static pages any more. That's where PHP comes in. (PHP stands for PHP Hypertext Preprocessor. Don't ask what the first P stands for; it's just another of the recursive acronyms so loved by the Linux community.) The PHP (www.php. net) scripting language mixes elements from C, Perl, and Java—and can be embedded into



HTML pages to generate dynamic pages. An interesting commercial offer-

ing in this area is ChiliSoft's Active Server Pages (ASP) for Linux (www.chilisoft.com), which provides support for Windows-style ASPs using VBScript and JScript.

#### PROS, CONS, AND COSTS

Linux delivers both benefits and drawbacks, depending on your viewpoint and background. On the plus side, it's not only cheap, flexible, and robust, it frees organizations from managing licenses. On the other hand, it lacks the immense base of user and administrator experience enjoyed by Windows, making setup and management more of a challenge.

The experience factor, particularly in a networking role, will determine whether your cost to use or convert to Linux would be cheap, prohibitively expensive, or somewhere in between. If your IT support group doesn't have Linux or Unix experience, you'll face extra costs. Those with only Windows NT Server experience can learn enough to manage a Linux-based server, but the learning curve is steep enough to cost more.

The philosophy behind Linux forces a new approach to many problems, making Linux more like a kit than a complete solution. But if you or someone in your organization already has Linux or Unix experience, your transition to Linux can be painless and cheap. Indeed, the elimination of license fees and the reduced server downtime associated with Linux could be enough to produce significant savings. The key to a smooth transition is sufficient Linux expertise in-house.

#### **Connection Sharing Made (Almost) Easy**

As networked systems proliferate in homes And very small businesses, more and more users are looking for ways to share an Internet connection among multiple computers. You can buy hardware products that do this, but Linux provides a slick software-only solution.

Using a technique known as Network Address Translation (NAT), or IP masquerading, as Linux users like to call it, a Linux system on a LAN can act as a gateway between the computers on the LAN and the Internet, making them appear to the Internet as a single system. This gives multiple users simultaneous Internet access through a single connection, even if they're running on a non-Linux system such as Windows, the Mac OS, or OS/2. Configuring a Linux system to perform this sleight of hand

isn't exactly a newbie-level task, but it can be done, and it requires nothing more than the software that comes with a stock Linux distribution. See the Linux IP Masquerade HOWTO at www.linuxdoc.org/HOWTO/ IP-Masquerade-HOWTO.html for details.

Even more impressive than connection sharing is combining that with on-demand dialing. You can configure your Linux system so that when it or any other computer on the LAN tries to access the Internet and finds you aren't connected to your ISP, the Linux gateway will automatically dial your modem and log on. Some people will tell you this can't be done. In fact, all you have to do is use pppd's (Point-to-Point Protocol daemon's) "demand" option.

# Hot Deals4Less.com



#### ThunderbirdPc.com\* with the Window Shakers Home Theater System

- HOME THEATER SYSTEM
  Free Intermet Access & Email
  AMD Athlon 750MHz
  200MHz FSB and UDMA-86 Support
  128 MB Fast SDRAM
  17 Super M Color Monitor with
  TV IN Tuner & Remote
  20 GB Ultra ATA Hard Diss Drive
  22 MB Fast TNT2 Graphic Card
  Pioneer 16X "The Fastest DVD ROM
  Drive in the World"
  CO-FNV Backst2 w/ONE medis
  Creative Labs LiveValue Sound Card
- Creative Labs LiveValue Sound Card
  Creative Labs LiveValue Sound Card
  Creative Labs LiveValue Sound Card
  Window Shake\*\* Home Theater System
  Comes with 7 Speakers combo of
  Super Power of 1 Gigs Watt of sound
  Dual Tweeters, Dual Certral &
  Mid Rengers with a Subwooter
  SCOM USPobotics 56k Modern
  USB Digital Color Internet Camera
  NEC Color Inkigs Printer
  1.44 MB Floopy Drive
  Int. Keyboard Scrotling Mouse Mic
  Mid ATX Tower Case w/SCOW Power
  Windows 98 2nd Edition w/CD Plus!
  Lotus Smart Suite or
  Corel WordPerfect Office 2000

\$1,699<sup>9</sup> Athles 1000...12,369 Athles 500...12,869 Athles 500...1,869 Athles 600...13,769



loro Barbin Printer



#### OrionPC.com

This PC is 100% New!

- This PC is 100% New!

  # Free Internet Access & Email

  # AMD K6-2 550 MHz

  # 2 USB Ports, 3 PCI & 1 ISA Slots

  # 6.4 GB Ultra ATA Hard Drive

  # 8 MB PC-100 SDRAM

  # 44X CD-Rom Drive

  # 8 MB AGP Graphics on board sharid

  # PCI 3D Sound on board

  # 56K V.96 PCI Internal Modern

  # 1,44 MB Plooppy Drive

  # Multimedia Speakers

  # PS2 Win Keylboard & Hi-Res. Mouse

  # Mid ATX Tower Case

  # Mid ATX Tower Case

  # Bards, Labor Limited Warranty

  # Benus CD Pack

  # Parts, Labor Limited Warranty

AMD K6-2 550...\$39989

Barbie Printer Add 579





#### These Athlon PC s are 100% New!

These Pentium PCs are 100% New! \*All DeskTops include: Windows 98 2nd w/CD & Manual Free Internet Access & Email, 1.44 MB Drive, Internet, Keyboard' Scroll Mouse/Mic, Mid ATX Tower Case w/300W Power, 1 year Parts / Labor Limited Warranty, Business Lease Available. For a 17' Super M Color Monitor TV add \$295

\*All DeskTopss include: Windows 98 2nd w/CD & Manual Free Internet Access & Email, 1.44 MB Drive, Internet. Keyboard/ Scroll Mouse/ Mic, Mid ATX Tower Case w/300W Power, 1 year Parts / Labor Limited Warranty, Business Lease Available, For a 17\* Super M Color Monitor TV add \$295

#### ForcePC.com\*

- AMD Athlon 800MIz
   AMD Athlon 800MIz
   200Mirtz FSB and UDMA-66 Support
   256 MB Fast SDRAM
   30 GB Urth ATA Hard Disk Drive
   30 MB Rivs TNT2 Pro Graphic Card
   CD-RW 8x4329 wildDME media
   Ploneer 16X DVD ROM Drive
   30 Sound 800W Power Sultwooter
  w/Dual Tweeters & Mid Rangers
   Ceastive Labs LivelValus Sound Card
   SCOM USF 56k Hardware Modern
   USB Digital Color Informat Campra
   Lotus SmartSuite or
  Corel WordPorfect Office 2000

intrepidPC.com\*

\$1,599<sup>19</sup> Athles 1808...'2,169

Windows 98 2nd w/CD Plust add \$98 17" Super M Color Monitor TV add \$295

#### ValueMaxPG.com\*

- AMD Athlon 750MHz 200MHz FSB and UDMA-66 Support 192 MB Fast SDRAM
- 20 GB Ultra ATA Hard Disk Drive 16MB RIVA TNT2 Vanta Graphic 52X CD-ROM
- CD-RW 4x4x32 w/ONE media
- Yamaha 744 Sound Card 3COM USR 56k Hardware Modem 3D 480W Power Subwoofer System 1,44 MB Floppy Drive
- \$1,159<sup>49</sup> Malan 900...1,335 Million 950...1,325 Million 950...1,325 Windows 96 2nd wCD Plus! add s295 17" Super M Color Monizor TV add \$295

#### EraPC.com\*

- AMD Athion 700MHz.
  200MHz FSB and UDMA-65 Support
  128 MB Fast SDRAM
   15 GB Utra ATA Hard Disk Drive
   32 MB Rivs TNT2 M64 Graphic Card
   8x DVD ROM

- RCI 32 bit 128 Voice Sound Card
   SCOMPCI 56K V-90 F/V WModern
   Multimedia Speakers

\*969<sup>69</sup> athles 854...\*1,165
thles 808...\*1,065
thles 808...\*1,065
thles 75...\*25
Windows 96 2nd w/GD Plus! add \$96
17' Super M Color Monitor TV add \$295

NetProPC.com\*

intel Pertham III 700 MHz

128 MB FAST SDRAM

10 GB Ultra ATA Hard Disk Drive

32MB RIVA TITZ MB4 Graphics

8X DVD ROM

PCI 32 bit 128 Voice Sound Card

56K V.30 PCI internal Modern

Multimedia Speakers

\*88959 Festion iii 800.1.079
Festion iii 750, 1998
Festion iii 750



- This PC is 100% New!

  Free Internet Access & Email

  AMO Ahlion 550MHz
  200MHz FSB and UDMA-66 Support

  128 MB Fast SDFAM

  10 GB Utha ATA Hard Disk Drive

  18 MB Riva TNTE Vanta Graphic Card

  32x CD ROM
  Integrated AC97 Dis
- 32x CD ROM Integrated AC97 Dig. Sound w/64Voice 56K V.90 PCI internal Modern Multimedia Speakers

\$629<sup>59</sup> Athles 800...'769" Athles 750...'769"

Windows 98 2nd w/CD Plus! add \$98 17" Super M Color Monitor TV add \$295



#### CopperminePC.com

- Intel Pentium III 550 MHz
  Intel 810 chipset Motherboard
  64 MB Fest SDRAM
  10 GB Ultra ATA Hard Disk Drive
  8 MB Graphic on board
  32x CD ROM
  Integrated AC97 Dig. Sound w84 Voice
  56K V.90 PCI internal Modern
  1.44 MB Rippy Drive
  Multimedia Speakers
  Win Keyboard & Hi-Res, Mouse
  Mid ATX Tower Case w/250W Power
  Limited Parts / Labor Warranty

\$539<sup>59</sup> Featlum III 661, 388
Featlum III 658, 539
Windows 98 2nd w/CD Plust and \$38
17' Super M Color Monitor TV add \$295

# Intel Portium III 750MHz 256 MB Fast SDRAM 30 GB Ultra ATA Hard Disk Drive 32 MB Rivs TNT2 Pro Graphic Card CD-RW 8x4x22 w/ONE media 16X DVD ROM Creative Labs LiveValue Sound Card 3 COM USRobotics 56k Modern USB Digital Color Internet Camera 3D Sound - 800W Power Subvector with Dual Tweaters & Mich Rangers Lotus Smart Suite or Corel WordPartect Office 2000 \$1,5895 Fentium III 933.1.1999 Fentium III 931.1.999 Fentium **Componet Upgrades**

\$75 \$145 \$310

- ### CB Read/Writers

  New! The Worlds Fastest DVD ROM

  Ploneer 16x DVD ROM

  Sony CD-RW Read/Writer 10x4x32

  Sony CD-RW Read/Writer 10x4x32

  Sony CD-RW Read/Writer 8x4x32

  Zip int. 100 MB / 250 MB

  \$65 / 139
- Memory 84 MB RAM PC-100 SDRAM 128 MB RAM PC-100 SDRAM 256 MB RAM PC-100 SRAM
- Multimedia, Kinyo 3pcs Flat Panel Subwoofer system \$35 Communication Device: PCI 10/100 Ethernet Card
- Monitor.

iOnePC.com\*

■ Intel Pentium III 750MHz ■ 192 MB FAST SDRAM ■ 20 GB Ultra ATA Hard Disk Drive ■ 16MB RIVA TNT2 Venta Graphic

\$1,189<sup>59</sup> Pedium III 932 1629
Pedium III 930 1449
Pedium III 950 1469
Pedium III 932 1462
Pedium III 932

■ 52X CD-ROM ■ CD-RW 4x4x32 w/ONE media ■ Triegrated AD97 Dig. Sound W 64 Voice ■ 3COM 56K V.90 F/V WinModern ■ 3D 480W Power Subwooler System

- 15" Super .28 1024x768 Color 17° Super 27 1280x1024 Color 17° Super M Color Monitor TV Hemote Tune 19° Super 28 1800x1200 Color 17° ViewSonic E771 .27 Flat Sq. Color 19° ViewSonic E790 .28 SVGA Color 21° ViewSonic G810 .25 Flat Color 15° Princeton TFT Flat Panel Color \$185 te Tuner \$295 \$299 \$405 \$789
- Windows 98 2nd Edition Plus Lotus Smart Suite MicroSoft Windows 2000 Professional MicroSoft Office 2000 Small Office

HotDeals\* Hot Deals, Cool Savingst

HotDeals4Less.com



Buy On-line Save # \$50

Methods of Payment

The Lease Bent. The Lease Dept.

Wire to Wire Transfer Available

888-909-8889

#### COMPUTER SHOPPER

# OTLIG

			-					
H	-	20	М	п	A	13	77	0
	•		u		•		•	u

Bar Coding/Point of Sale	243
Boards/Components/Chips	246
Mass Storage Devices	245
Presentation Products	246
Software	

Business Applications	247	
Utilities	247	

Ziff Davis Publishing

28 East 28th Street New York NY 10016

800.999.SHOP

SHOP, COMPARE AND BUY FROM A WIDE SELECTION OF PRODUCTS AND VENDORS.

Search a database of thousands of products by company, product and/or key words. Continually updated prices, products and special offers, Reviews from Ziff-Davis publications help you shop smart.

Bookmark http://www.computershopper.com for the complete buying experience.

Anthony Danzi 212-503-3890 **Account Executive** 

DE, DC, MA, MD, ME, , NH, NJ, NY, RI, VA, VT, WV, Canada

Jane G. Day 212-503-3841 Account Executive

CA, 90000 - 91999, 93000-93599

Aida Rodriquez 312-214-7337 **Account Executive** 

AK, AL, CT, FL, GA, IL, KY, LA, MI, MN, MO, MS, NC, NM, OH, PA, SC, TN, WI

Julio Loredo 415-701-2839 **Account Executive** 

CA, 92000 - 92999, AZ, CO, IA, KS, ND, NM, OK, SD, TX

Julio Loredo 415-701-2839 **Account Executive** CA, 93600+ ID, NV, OR, MT, UT, WA, WY

Katie Burke 212-503-5079 **Territory Management Specialist** 

Kristen Yeranian 212-503-3838 **Territory Management Specialist** 

## BarCodeHQ.com

#### Bar Code Labeling

LabelRIGHT Software \$295

- · For Windows, any format, any label WYSIWYG
- . Formats for Sears, K-Mart, Penney's, AIAG, etc.
- Code 128, UPC/EAN, 2 of 5, Codabar, Code 39
- · Prints to LaserJet, DeskJet, and Dot-Matrix



#### Bar Code Fonts \$199

- · For Windows and Mac
- t bar codes into any font based
- . Code 39, UPC/EAN, Code 128, Codabar, and I 2 of 5

#### Fixed Readers

Keyboard Wedge Wand \$299

- · Attaches as second keyboard
- No software needed
- For Windows, DOS, Mac
- Code 39, UPC/EAN, 128, 2 of 5, 93, etc.
   Wand, Laser, CCD, Slot Badge and Magstripe
- Available in integrated Laser and

#### Wireless Readers



- Cordless on-line scanning Transmits up to 100 feet
- Complete one-way Wand \$595
   Two-way Laser with Base \$1650
- 1-8 Lasers per Base
- Serial attachment also available

#### Call Us Toll Free 800-345-4220

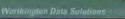
Broadest Selection of Bar Code Products in the Industry

#### Buying from the manufacturer me

- Better pre-sale support
   Better leclinical support
   Z4-hour turnaround on repairs
   Inmediate assistance

- Technically superior products
   Made and designed in the USA
- or visit our website of www.BarCodeHQ.com
  - tor a complete catalac

r; 831-458-9938 \* Fax: 831-458-9964 \* Europe: +353 1 6614 56





#### Don't buy new readers just for USB interface!

With the Wedge Savertill, any manufacturer's wedge reader can be attached to a PC or Mac USB port. The Wedge Saver<sup>TM</sup> can convert any 5 pin or 6 pin mini-din connection reader to a USB reader in seconds for only \$49



#### Portable Readers **Batch Data Collection Unit**

- 256K Unit with wand \$759
- · Upload collected data to host
- · 2 built-in inventory programs

- and voice messages.
  Cord attached Wand, Laser or CCD
  Integrated Laser model \$1299

#### Wireless Terminals **RF Data Terminal**

- 1,000 ft. range (1,000,000 sq. ft.)
   Scan and key data on-line
   Computer sends display and triggers
- · All programming on host, (VB, C, etc.)
- . Bar code input by Wand, Laser or CCD Base Station – \$845 (1-16 terminals)
- Complete Terminal with Wand \$1215
   With integrated Laser scanner \$1790





#### 000 0000 20000 ---DBKW E7 E0 E0 ... 田 田 田 E 10

#### NEW!

#### The All New M5000 Portable Data Terminal

- Rugged, Ergonomic Design
- 2<sub>MB</sub> Flash Program Memory
- Easily Upgradable Flash via the Internet
- · Low Power Design Extended Battery Life
- Programming Software Included
- · Includes 6 "built-in"Inventory Programs

#### Label Design Software

- Full range of bar code capabilities
- Full featured label design software for Windows
- Scalable fonts
- Rotatable text and graphics
- . Floating color and tool bars

#### **Magnetic Stripe Readers** Includes decoder & cables



#### **Laser Scanners**

- Metrologic Scanners
- PSC Scanners
- Symbol Scanners
- · Handheld as well as Stationary Scanners

#### pecial Dealer Discounts!

#### **CCD Readers**

- · Including decoder & cables
- . Very fast and accurate
- No moving parts to break
- · Completely solid state
- Ergonomic design
- . Very rugged and durable
- · Less expensive than lasers

POINT OF SALE AND BARCODING

Shop Online @ www.nurol.com

**Bundle Includes Software and Hardware Shown** 

QUICKSELL 2000

\$1349.00

+Barcode Label

BUNDLE

#### **Wand Packages**

- Including decoder & cables
- Rugged construction
- · Lowest cost input device
- · Reliable, durable and accurate

Toll Free 1-877-842-3985

Order Online Today

MICROSYSTEMS, LTD www.barcode-csm.com phone 817-571-9015 fax 817-685-6232 2190 Regal Parkway Euless, Texas 76040

32-82 Win

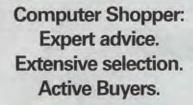
**RETAIL SOLUTION BUNDLE** 

Quickbook

Barcode Label

Lifetime Technical Support • 30 Day Money Back Guarantee • The Power to be Efficient







www.computershopper.com

Call your Account Representative today! 1-800-999-SHOP



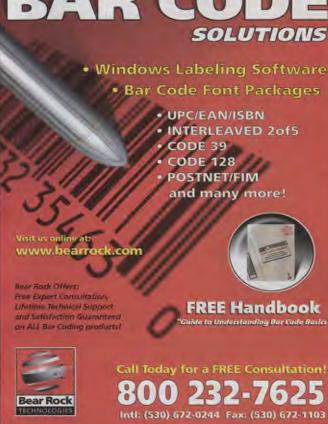














Computer Peripherals Unlimited, Inc. (480) 827-1270 Phone • (480) 827-9080 Fax http://www.cpuinc.com

1-800-278-3480

Computer Shopper: Expert advice. Extensive selection. Active Buyers.



www.computershopper.com

Call your Account Representative today! 1-800-999-SHOP



all in

one





Premium System Components

To learn more about Wetex,

please visit our web site at:

http://www.wetex.com

Plus much more!!

Weies Interna 624 S. Hambledon Ave

TEL: (626) 854-0600 1

Epson • InFocus • Lightware • Proxima • Sanyo • Toshiba The Best Selection and Values in LCD Projection are

on any of these super deals for more details ... or call 800-419-0023

@ www.adtech-sys.com/cs

Sanyo PLC-SU07N . SVGA . 700 Lumens . 8.6 lbs.

Hitachi CP-X960W • XGA • 1800 Lumens • 13 lbs.

Plus U3-1080 • XGA • 800 Lumens • 2.9 lbs.

Epson PowerLite 710c • XGA • 1000 Lumens • 5.5 lbs.

Check out our special deals on this month's featured manufacturer - TOSHIBA

Toshiba TLP-450/670 Toshiba's new sleek 8 pound portables, available in SVGA with 1000 lumens (TLP-450) and XGA with 1300 lumens (TLP-670), have everything you are looking for in a road-worthy projection system.



\$2,795

**\$5,299** 

**\$**5.495

TLP-450 \$3,995 TLP-670 \$4,995

Toshiba's Newest Lightweight Projector

Toshiba TLP-B2 This little dynamo XGA projector has the profile of letter-size paper and weighs only 5.8 pounds. Superior color reproduction in all types of images, from bold computer graphics

to subtle photographic images. Overall brightness is a remarkable 1000 lumens.

TLP-B2 \$4,995



Computer Shopper:

Expert advice.

Extensive selection.

Active Buyers.

SHOPPE

Call your Account Representative today! 1-800-999-SHOP



# YCHEAPSOFTWARE.CO

SAME DAY SHIPPING 100% SATISFACTION MONEY BACK GUARANTEE \* Price after manufacturer rebate

# MICROSOFT in the Aust-Virus 2000 to / any lett Office

Office 2000 Pro Fall Western Co-Manual
Office 2000 Pro Upgrade Retail Box
Office 2000 Pro Fall Academic Version
Office 2000 Std. Fall Academic Version
Office 2000 Std. Fall OEM Version
Office 2000 Std. Fall DEM Version
Office 2000 Std. Fall DEM Version Office 2000 Smill all the Conference of the Conf Greeings Michigan 2000, Sheel Frider 2000 Get Mande Word 97 & Works 4,5 & Money 98 Word 97 & Works 4,5 & Money 99 Publisher 2008 Rand Bay, Fill Varian Works 2008 CDICOA Full Gett Version

Works 2009 CD/CDA Full Joen Varsion
Works 4.5 & Money 98 CD Full Version
Project 2000 Full Vers CD-Manual
Project 30 Fail Vers CD-Manual
FrostPage 2000 CD-Manual Fail Version
Visual C++ Pro- 6.0 Full Vers CD-Manual
Visual C++ Pro- 6.0 Full Vers CD-Manual
Visual Sasie Pro- 6.0 Full Vers CD-Manual
Visual Basis Pro- 6.0 Full Vers CD-Manual
Visual State Enterprise 8.0 Full Vers CD-Manual
Visual State Enterprise 7.0 Full Vers CD-Manual
Visual State Stateprise 6.0 Upgmar Full Vers CD

MICROSOFT WINDOWS

Windows 2000 Pro CD-Manual-Lic. For DEM Version Windows 50.2 CD-Manual-Lic. For DEM Version www.tww.so.c.co-Margar-Loc. Fill DBM Verbol Windows 55 Using in Ecoto & Marsus orly, no 03 Windows 55 USR 2.5 wCO-Manual-License CEM Windows 55 USR 2.5 wCO-Manual-License CEM Windows 55 USR 2.0 et al. 5 km & manual Windows 5.1 & 0.05 E. 20 et al. 5 km & manual Windows 5.1 to 0.05 E. 22 et al. 5 km & manual Windows 3.1 to 0.05 E. 22 et al. 5 km & manual Windows 3.1 to 0.05 E. 22 et al. 5 km & manual Windows 3.11ws on 3.5" die 4 mi

No Credit Card Surcharge







Corporate POs & CODs WELCOME

# TOLL FREE 888-999-26

Phone: (310) 305-3644 FAX: (310) 305-3645 e-mail: sales@cheapsoftware.net

WIN 2000 & BACKOFFICE 4.5 WINDOWS 2000 PRD Full on License Marical NT Workstation 4.0 CO-Marical-License Full COM Vec. NT Workstation 4.0 Full covilicense Manual, No CO NY WINDOWS 2000 Server Fall Upgrade Vir. w/15-Cleet WINDOWS 2000 Server Fall Upgrade Vir. w/15-Cleet WINDOWS 2000 Server Fall Upgrade Vir. w/15-Cleet WINDOWS 2000 Server Fall Retail Viv. w/15-Cleet Le. WINDOWS 2000 Server Fall Weal Viv. w/25-Cleet WINDOWS 2000 Server Fall Weal Viv. w/25-Cleet WINDOWS 2000 Afric Server Fall Wer. w/25-Cleet #T Server 4.0 CD Full Version wit5-Client License \$398 #T Server 4.0 CD Full Version wit6-Client License \$409 #T Server 4.0 CD Full Version wit6-Client License \$409 #T Server 4.0 CD Full Version wit6-Client License \$400 #T Serviniand Server 4.0 wi25-CLI. Full #ull Sev #T Serviniand Server 4.0 wi25-CLI. Full #ull Sev #T Servine Fallerptica 4.0 CD wi25-CLI. Full #ull Sev #T Server Enterprise 4.0 CD wi25-CLI. Full #ull Sev #T Server Enterprise 4.0 CD wi25-CLI. Full #ull Sev #T Server Enterprise 4.0 CD wi25-CLI. Full #ull Sev #T Server Enterprise 4.0 CD wi25-CLI. Full #ull Sev #T Server Enterprise 4.0 CD wi25-CLI. Full #ull Sev #T Server Enterprise 4.0 CD wi25-CLI. Full #ull Sev #T Server Enterprise 4.0 CD wi25-CLI. Full #ull Sev #T Server Enterprise 4.0 CD wi25-CLI. Full #ull Sev #T Server Enterprise 4.0 CD wi25-CLI. Full #ull Sev #T Server Enterprise 4.0 CD wi25-CLI. Full #ull Sev #T Server Enterprise 4.0 CD wi25-CLI. Full #ull Sev #T Server #T Sev #T Server #T Sev #T Server #T Sev # BackOffice Server 4.5 CD & Man w/25-Chest, Full Ver \$2/99 Upgrade BackOffice Server 4.5 CO-Man. w/25-Chent \$1299 BackOffice 4.5 Small Bus, Server 10-Client, Full Vin. \$1089 BackOffice 4.5 Small Bus, Server 25-Client, Ivil Ver. \$1495 | Description |

MICROSOFT MOLP LICENSES

Office Pro 2000 MOLP Full Ver. (5-minimum) Upgrade Office Pro 2000 MOLP (5-minimum) Office Std. 2000 MOLP Full Ver. (5-minimum)

# ADOBE

AULUSE
Arrabat 4.0 CD Full A.E. Version
Arrabat 4.0 CD Full Commercial Version
Profession S. Full Full Commercial Version
Profession S. Full Full Commercial Version
Pagerasian 6.5 Flus Full Commercial Version
Institute 4.0 Full Commercial Version
Go Live 4.0 Full Commercial Version
Premier S. Full Commercial Version
FrameMaker 5.56 Full A.E. Version

COREL & LOTUS All Full Versions

Wardperled: 2000 & Lottes Milleanium CT/Manual CEM Wardperled: Office 2000 Std. w.CD-Manual-Reg. CEM Wardperled: Office Pro 2000 w.CD-Manual-Reg. CEM Wardperled: Office 8.0 w.CD only Offic. Put Version Corel Home Office Bundle CD-Lic. www.Ottow.8.0. sey his, Mar. Anci-Her Dist. Composit Stey, Body Winks Sid Corelibrary 9.0 Enghises Stalle Full Version, Retail Corelibrary 9.0 Enghises Stalle Full Version, CD's only. Corelibrary 9.0 Full Version, CD's only. Corelibrary 9.0 Full Version, CD's only. Letters Millerelam CD-Manual Full Stat Version. Will Version. Letters Millerelam CD-Manual Full Stat Version.

INTUIT / QUICKBOOKS

Quicken Delaze 2000 CO, Full Version Quicken Suite 2000 CO, Full Version QuickBeeks 2000 CD, Full Version QuickBeeks Pre 2000 CD & Manual QuickBeeks Pre 90 CD & Manual

**POWERQUEST & CAERE** 

Partition Magic 5.8 full Verson Partition Magic 4.6 withour image 6 McAtee AV Fell Verson Omel Page Pro 9.8 Full Partiti Version

Order online with o 100% secure website ww.buycheapsoftware.com

## SYMANTEC

Neries Anti-Vises 2800 w CD, Poi Ver.
Neries Anti-Vises 2800 w CD, Poi Ver.
Neries Anti-Vises 2800 w CD, Poi Ver. (19 Pack)
Neries Williams 2800 Full Version
ACT 2800 CD Coly, Full Version, a-manual com
ACT 2800 CD Viscous Full Version
polisiecomente Work from borne w CD-Lic.
PD Anywhere 22 % O Full Version w CD-Lic.
PD Anywhere 22 % O Full Version w CD-Lic. Facili Box
PD Anywhere 22 % O Full Version w CD-Lic. Facili Box
PD Anywhere 22 % O Full Version w CD-Lic. Facili Box
PD Anywhere 22 % O Full Version w CD-Lic. Facili Box PP, Anywhere 25 & Direct & Allmania wiCh-Lie, Small Box, PLA Computer 25 & Zinz et & Hamble wiCh-Lie, Famil Box, Pra-Comm Plass 22 War. 4.8 Pul Viersion Retail Box Plass Communication Co-Licenses Full Version, Brown Box Windar Prin 10.0 CO-Licenses Full Version, Retail Box TalkWorks Prin 3.0 ViolosiFAV Message System wiCh-Lie Nation System Works 2000 Prin CD only! Nation System Works 2000 Prin CD only! Nation System Works 2000 Prin CD only Nation System System Works 2000 Prin CD only Nation System System Works 2000 Prin CD only Nation System And Visco 6.1. Discolating I Stilling 1.2. Discolating, Well-Driving, Tag-1, Win In Stor, Viscolating, Basel Res. Review System Warks 2800 CD Anni-Visco 50 Dissolating, Water System Warks 2800 CD Anni-Visco 50 Dissolating, Water Systems State 7.3 A just Well of the St. Challange Servi-Retter Section State 7.3 A just Well on 1913 CD, Enthurge Servi-Frened Servin, NT Workstation of 16-Disert Linears

NETWORK ASSOC. / MCAFEE
McAles Virus Scau/First Ald 2800 (0 cel)
McAles Virus Scau 2000 10 User CO only
McAles Nuts & Builts Offices CO only
McAles Nuts & Builts Offices CO only
McAles Toolfox 2008 CD only MaAlee Office includes V.S. 4.0 Touriste 2000, Num & Sons. Hurt. Guard Dog. First-Aid St. PGP, Oil Change, Lin-Instal & Ultro 579

SYSTEM INTEGRATORS & PACIFIC STANDARD TIME MONDAY - SATURDAY TAM-TPM

Price after manufacturer cohoto

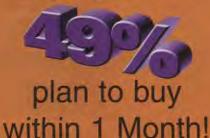


SoftMan Products, Inc.

Prices subject to change without notice All trademarks are properly of their respective owners. Call for pricing on products not listed.

12654 W. Washington Bl. #103, Los Angeles, CA 90066

Computer Shopper readers have immediate buying plans:





www.computershopper.com

Call your Account Representative today! 1-800-999-SHOP



# eSupport.com

**Technical Support Connection** THE SOURCE FOR BIOS UPGRADES!!

Cherry



AMIBIOS



"We can upgrade the BIOS on any PC"

1-800-800-BIOS

1-800-800-2467 Phone: 978-686-6468 Fax: 978-683-1630

1538 Turnpike Street North Andover, MA 01845

WORLD'S OLDEST AND LARGEST BIOS **UPGRADE COMPANY - OVER 10 YEARS!!** 

Institutional, and Corporate Orders Welco







www.eSupport.com



# **www.tccomputers.com**

# SLOT A MOTHERBOARDS





DOCATHO



\$159 \$410 \$433





\$1400

## SLOT 1 VIA CHIPSET MOTHERBOARDS







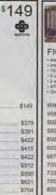




# SLOT 1 - INTEL CHIPSET MOTHERBOARDS













# **SOCKET 7 MOTHERBOARDS**





















# www.tccomputers.com



## Viewsonic VS609423A 17" CRT, 16.0" Viewable Screen Area, .27 dot pitch, 70KHz \$229 VS609481 19" CRT, 18.0" Viewable Screen Area, .26 dot pitch, 70KHz \$359 CMULTRA54 15", 13.6 viewable 28mm dot pitch, Full digital on-screen display \$129 CMULTRA75E 17\*, 16.0 viewable .27mm dot pitch, 1280 x 1024 max res. \$199 CMULTRA95E 19"(18.0" viewable), 0.22mm dot pitch, 1600x1200 max. res. \$319 Philips PHL082981 15"(14.0" viewable), 0.28mm dot pitch, 1280x1024 maximum res. \$119 PHL264642 17"(15.0 viewable), 0.27mm dot pitch, 1280 x 1024 res. \$189 PHL107S2 17"(15.0 viewable) 0.24mm dot pitch , 1280 x 1024 res. \$209

Video Cards	
AGP CARDS	
Diamond	
DIAA200 DIAMOND S3 Savage 4 Pro 3D chipset, 8MB SDRAM, AGP 2X	\$49
DIASTEALTH DIAMOND S3 Savage4 Pro chipset, 32MB SDRAM, 128-bit 2D, 3D graphics	\$89
DIAS3540X DIAMOND S3 Savage4 Xtreme 128-bit 2D, 3D & video, 32MB SDRAM	\$118
DIAVIPER2 DIAMOND 32MB video mem./framebuffer, AGP w/S3 Savage2000	\$159
DIA215914 DIAMOND 32MB video mem./framebuffer, AGP w/S3 Savage2000™	\$165
ATI	
ATI29699 ATI Rage 128GL 128-bit Graphics Engine, 16MB RAM, 250MHz RAMDAC	\$89
AT089744 ATI Rage 128 Pro GL 128-bit Graphics Engine, 32 MB RAM	\$149
AT194762 ATI All-In-Wonder 128, 128-bit 3D & 2D Graphics Acceleration, 32MB RAM	\$229
AT199630	\$229
GUILLEMOT	
GUL138474 GULLEMOT 32MB, AGP 4X/2X, GEFORCE 256 NVIDIA Chipset	\$259
GUL138480 GUILLEMOT 32MB, AGP 4x, GEFORCE 256 DDR Chipset	\$299
CREATIVE LABS	
BW007976 256-bit graphics architecture, 32MB high-performance DDRRAM	\$275
ASUS	
ASUBBOODEL 32MB video memory/framebuffer, AGP w/ nVidia GeForce 256	\$29
NEW! Asus V7700 32MB DDR memory/framebuffer, AGP w/ NVIDIA™ GeForce2 GTS™	\$34

Video Cards	
AGP CARDS	
Diamond	
DIAA200 DIAMOND S3 Savage 4 Pro 3D chipset, 8MB SDRAM, AGP 2X	\$49
DIASTEALTH DIAMOND S3 Savage4 Pro chipset, 32MB SDRAM, 128-bit 2D, 3D graphics	\$89
DIAS3540X DIAMOND S3 Savage4 Xtreme 128-bit 2D, 3D & video, 32MB SDRAM	\$118
DIAVIPER2 DIAMOND 32MB video mem./framebuffer, AGP wS3 Savage2000	\$159
DIA215914 DIAMOND 32MB video mem./framebuffer, AGP w/S3 Savage2000™	\$169
ATI	
ATI29699 ATI Rage 128GL 128-bit Graphics Engine, 16MB RAM, 250MHz RAMDAC	\$89
AT089744 ATI Rage 128 Pro GL 128-bit Graphics Engine, 32 MB RAM	\$149
AT194762 ATI All-In-Wonder 128, 128-bit 3D & 2D Graphics Acceleration, 32MB RAM	\$229
AT199630	\$229
GUILLEMOT	
GUL138474 GULLEMOT 32MB , AGP 4X/2X, GEFORCE 256 NVIDIA Chipset	\$259
GUL138480 GUILLEMOT 32MB, AGP 4x, GEFORCE 256 DDR Chipset	\$299
CREATIVE LABS	
BW007976 256-bit graphics architecture, 32MB high-performance DDRRAM	\$275
ASUS	
ASUB800DEL 32MB video memory/framebuffer, AGP w/ nVidia GeForce 256	\$299
NEWI Asus V7700 32MB DDR memory/framebuffer, AGP w/ NVIDIA™ GeForce2 GTS™	\$343

Memory	
ALL COMPONENTS	
SDRAM	
SDRAM PC100 Complient	
8x64-100 PC100 compliant 64MB mem. module, SDRAM, 168-pin DIMM form factor	\$69
16x64-100 PC100 compliant 128MB mem. module, SDRAM, 168-pin DIMM form factor	\$119
32X64100 PC100 compliant 256MB mem. module, SDRAM, 168-pin DIMM form factor	\$239
8X64133 PC133 compliant 64MB mem. module, SDRAM, 168-pin DIMM form factor	\$69
16X64133 PC133 compliant 128MB mem. module, SDRAM, 168-pin DIMM form factor	\$139
32X64133 PC133 compliant 256 MB mem. module, SDRAM, 168-pin DIMM form factor	\$269
ALCR64 800MHz RAMBUS 64MB mem. module, RDRAM, 184-pin RIMM form factor	\$409
ALCR128 800MHz RAMBUS 128MB mem. module, RDRAM, 184-pin RIMM form factor	\$749
Corsair MicroSystems Memory	
CALL FOR NEW RIMM MODULES	
CMY200612 PC133 compliant 128MB mem. module, SDRAM, 168-pin DIMM form factor	\$149
CMY200614 PC133 compliant 256MB mem. module, SDRAM, 168-pin DIMM form factor	\$319
CMY200618 PC100 compliant 128MB mem. module, SDRAM, 168-pin DIMM form factor	\$129
CMY200617 PC100 compliant 64MB mem. module, SDRAM, 168-pin DIMM form factor	\$69

Cases	
Antec ANT451945 ANTEC Super Mini Tower in translucent blue color, ATX, 250W	\$85
ANT451946 ANTECSuper Mini Tower in translucent red color, ATX, 250W	\$89
ANT512863 ANTEC Super Mini Tower in translucent black color, ATX, 250W	\$89
ANT47237ANTEC File Server Tower fits ATX style motherboard, 300W, 10 bays ENLIGHT	\$109
EN237 Mid Tower, fits Baby ATm ATX style motherboards, 250W, 7 expansion slots	\$79
EN7200CB Desktop, fits ATX style motherboard, 250W, 6 expansion slots	\$59
EN7200 Desktop, fits ATX style motherboard, 300W 6 expansion slots INVIN	
INW135728 Full Tower, fits ATX style motherboards, 300W, 11 expansion slots	\$99
INW135733 Mid Tower, fits AT style motherboards, 230W, 8 expansion slots	\$49

Visit our website at www.tccomputers.com for more than 110,000 products from more than 1,000 brands

Scagale Hard Drives ST320430A SG 20.4 GB Ultra DMA/66 IDE, 512k cache, 8ms access time, 7200 rpm	\$17
ST328040A SG 28.0GB Ultra DMA/66 IDE, 512k cache, 8ms access time, 7200 rpm	\$20
Quantum Hard Drives	
Quantum Hard Drives Quo18570 QTM 10.2GB Ultra DMA/66 IDE, 2MB cache, 8.5ms access time, 7200 rpm	\$11

Western Digital Hard Drives	
WD84AA WD 8.4 GB Ultra DMA/66 IDE , 512KB Cache, 8.9ms access time, 5400 rpm	\$99
WD102AA WD 10.2 GB Ultra DMA/66, 2MB Cache, 9.5ms access time,5400 rpm	\$109
WD136AA WD 13.6GB Ultra DMA/66 , 2MB Cache, 9.5ms access time, 5400 rpm	\$129
WD205AA WD 20.5GB Ultra DMA/66, 2MB Cache, 9.5ms access time, 5400 rpm	\$149
WD307AA WD 30.7GB Ultra DMA/66 , 2MB Cache, 9.5ms access time, 5400 rpm	\$209
WD102BA WD 10,2GB Ultra DMA/66 IDE, 2MB cache, 8.5ms access time, 7200 rpm	\$129
WD153BA WD 15,3GB Ultra DMA/66 IDE, 2MB cache, 9ms access time, 7200 rpm	\$138
WD205BA WD 20.5GB Ultra DMA/66 IDE Hard Drive, 2MB cache, 9ms access time, 7200 rpm	\$179

CD-ROM Drives	
MITSUMI48X MITSUMI 48x Speed EIDE/ATAPI CD-ROM drive, internal	\$49
TE839057 TEAC 40x Speed EIDE/ATAPI CD-ROM drive, internal	\$69
NEW! DELTA52X DELTA 52x Speed EIDE/ATAPI CD-ROM drive, internal	\$48
KWT005637 KENWOOD 72x Speed EIDE/ATAPI CDROM internal	\$129

DVD-ROM Drives	
BW742516 CREATIVE 2X, 16X CD-R, SCSI Interface	\$279
BW007984 CREATIVE 8X, 40X CD-R, EIDE Interface	\$229
HTGD500BV HITACHI 8X, 40X CD-R, EIDE Interface	\$169
PIDVD115 PIONEER 16X, 40X CD-R EIDE Interface	\$179
NEW! BW8XDVD CREATIVE PC-DVD™ 8X OEM 8X, 40X CD-R, EIDE, Interface, Internal	\$146

CD-R/CDR-W Drives	
BW742525 CREATIVE CDRW kit wMP3+ soundcard & PCWorks FourPointSurround™ Speakers	\$279
TX225819 PLEXTOR 32x read, 8x write, & 4x re-write internal; 4MB buffer, ATAPI-4 / E-IDE	\$239
TX521311PLEXTOR 32x read, 12x write, & 4x re-write internal; 4MB buffer, Ultra SCSI (50-pin)	\$359
TE084417 TEAC 24 speed read, 8 speed write, CD-R Recorder, CAV, 150ms seek, Fast SCSI-2	\$259

Sound Cards	
CREATIVE LABS	
BWSBLIVE CREATIVE 3D PCI, 4 speaker support	\$59
BW3711000 CREATIVE 16-bit stereo, PCI, 5-48KHz sampling & playback rates	\$29
BW742493 CREATIVE 3D, PCI, 5-48KHz sampling & playback rates, EMU101K MIDI chipset	\$69
BW742520 CREATIVE 3D , PCI, 512-voice wavetable, EAX & DirectSound API	\$89
BW742521 CREATIVE 3D, PCI, 512-voice wavetable, EAX & DirectSound API	\$89
BW742524 CREATIVE 3D , PCI, front panel access, EMU10K1 digital signal processor	\$189
DIA007963 DIAMOND 3D , PCI. Uses Sensaura's MacroFX™ & EnvironmentFX™	\$69
SII718112 SIIG 16-bit stereo soundcard, ISA interface, plug'n play compliant	\$25
SII751741 SIIG 32-bit. PCI stereo soundcard with 32 voice hardware wavetable	\$29
SII804777 SIIG 32-bit stereo soundcard with 64voice PCI	\$32
TTB202792 TURTLE BEACH Wavetracing™ technology, 3D audio & stereo S/PDIF digital output	\$59
MONTEGO TURTLE BEACH 3D PGL XTREAM surround sound card	\$29

Keyboards & Mice	\$20
ACE788937 ACER 105-Key Keyboard with Hot Keys, Win95 compatible	320
KEY235530 KEYTRONIC 110 key with 19 programmable keys	\$35
LT008036 LOGITECH 104key keyboard with customizable hot keys ps2 & at	\$25
LT305901 LOGITECH 104 keyboard spill resistant at/ps2	\$19
LT332651 LOGITECH PS/2 mouse wiscroll button, includes serial adapter	\$18
LT242502 LOGITECH PS/2 & USB wheel mouse includes programmable 3rd button	\$35
MS511816 MICROSOFT ps/2 & serial scrolling mouse 3 button	\$25





1-800-677-9781 www.tccomputers.com





# MEGAHAUS is The Drive Authority!

Since 1987



**Voted by Computer** Shopper Readers as the Best Place to Buy Computer Storage!





"Best Place To Buy Storage" 1997

Buy Storage" 1998

Want to know about the best drive product specials? Sign up for our email list at:

# www.megahaus.com

- Newest Products
- ✓ Regular Product Updates
- ✓ Special Pricing

When you sign up, you'll receive regular emails letting you know about current specials available ONLY to our email recipients. So sign up today!

# Find out why our customers insist on shopping with MegaHaus!

- · Earned reputation as "The Drive Authority"
- · We've been doing business for more than 12 years!
- · Hard drives our speciality. Our buying power offers great pricing and extensive product selections.
- · Knowledgeable personnel
- Technical information 24 hours a day on our website at: www.megahaus.com
- 30 day satisfaction policy
- · Unlimited lifetime technical support from factory trained technicians

MegaHaus - "The Drive Authority" Award Winning Sales & Service

complete terms & policies statement, check out our web nite at www.megahaus.com. All specifications & prices are subject to change without notice. ©2000 MegaHaus. 8/00

# BACKUP DRIVES

PACKARD

10-20 GB \$385

SCSI-2 TR-5 minicartridge Surestore T20i \$479 Ext Int. (C4394A)



# Seagate

48-96 GB \$1999

SCSI-2 Scorpion 96 Bare Int. (STL496000N)



\$2059 Ext. (STL496000NX)

# CD-RW DRIVES

4x4x32 \$279 USB CDR-W!

For PC or Mac!



(USB4X4X32)

8x4x24 \$259

With mastering soft. & 1 disk. SCSI-2 Kit

Int. (YCRW8424WOW)



\$2995 Ext. Kit (YCRW8X4X245X)

# **ULTRA ATA-66 HARD DRIVES**

www.megahaus.com/1394

aŧ

# Seagate

Capacity	Speed	Butter	Part Number	int.
10.2GB	512k	5400	ST310212A	\$93
10.2GB	2MB	7200	ST310210A	\$117
15.3GB	512k	5400	ST315323A	\$117
15,3GB	2MB	7200	ST315320A	\$139
20.4GB	2MB	7200	ST320420A	\$165
20.4GB	512k	5400	ST320423A	\$131
30.6GB	2MB	7200	ST330630A	\$199

# IHM

	-				-
Capacity	Speed	Butter	Part Number	Int.	١.
15.3GB	2MB	7200	07N3927	\$138	Ŀ
20.5GB	512K	5400	07N3924	\$1.37	١
20.5GB	2MB	7200	07N3928	\$165	
30.7GB	2MB	7200	07N3929	\$229	
41.1GB	512K	5400	07N3926	\$246	г
46.1GB	2MB	7200	07N3931	5289	Е
61.4GB	2MB	7200	07N3933	\$459	١,
76.8GB	2MB	7200	07N393S	\$569	E
		7.0			k

Capacity	Speed	Butter	Part Number	Int.	1
15.3GB	512K	5400	M31536U2	\$114	m.
20.0GB	2MB	7200	M52049U4	\$155	3
20.4GB	512K	5400	M32049U3	\$125	-
30.0GB	2MB	7200	M53073U6	\$199	2
30.7GB	512K	5400	M33073U4	\$169	2
40.0GB	2MB	7200	M54098U8	\$268	-
61.4GB	2MB	5400	M96147U8	\$299	

# HARD DRIVE ACCESSORIES

ULTRA ATA		
Cable Select Cable, no more changing		
Master/Slave switches!	(GSICSEL)	\$12
Parallel Port External Case	(PPCASEHD)	\$89
GSI External HotPort IDE Case,		
true IDE transfer rates	(HOTPORT)	\$129
ULTRA ATA-66		
ATA-66 2 Drive 80 conductor cable	(CABLEATA66)	89
ATA-66 PCI controller card	(ULTRA66)	539
Promise Ultra ATA-66 RAID	(FASTTRAK66)	\$95
ULTRA-2 SCSI		
External Active terminator	(ULTRAZTERMA)	529
3' External Ultra-2 to Ultra-2 cable	(U2TOU2-3)	\$25
ULTRA WIDE SCSI		
Tekram PCI Ultra Wide controller kit	(DC390F)	\$72
3' External Ultra Wide to Ultra Wide cable	(SCITOSC3-3)	\$19
ULTRA 160 SCS1 Call for more.		
Adaptec PCI Ultra 160 64 bit controller	(A29160)	\$299
Adaptec PCI Ultra 160 64 bit dual channel	(A39160)	\$349
DPT PCI Ultra 160 RAID 32 bit controller	(PM1564U3)	\$469

# Quantum

Capacity	Speed	Buffer	Part Number	int.
7.5GB	512K	5400	QML07500LC	\$89
10.2GB	2MB	7200	QMP10200LM	\$118
15.0GB	512K	5400	QML15000LC	\$129
15.0GB	2MB	7200	QMP15000LM	\$135
20.0GB	512K	5400	QML20000LC	\$145
20.5GB	2MB	7200	QMP20500LM	\$158
30.0GB	512K	5400	QML30000LC	\$209
30.0GB	2MB	7200	QMP300001.M	\$245

# WESTERN DIGITAL

Capacity	Speed	Builter	Part Number	fint.
8.4GB	512k	5400	WDAC84AA	594
10.2GB	512k	5400	WDAC102AA	\$96
13.0GB	512k	5400	WDACI36AA	\$115
15.3GB	2MB	7200	WDAC153BA	\$139
20.5GB	512k	5400	WDAC205AA	\$139
20.5GB	2MB	7200	WDAC205BA	\$168
30.0GB	512k	5400	WDAC307AA	\$189
45.0GB	2MB	5400	WDAC450AA	\$245

# type of drive. Need help finding the right one? Call us!

# USB DRIVES & ACCESSORIES 100MB Zip Drive - Iomega USB 100MB Zip drive. Easy to install, simply connect to the USB port on your system and install the included software. #ZIPIOOUSB \$

4x4x32 CD Rewritable for PC or Mac — Master Cds
with this complete kit. Includes mastering software and drive in high quality external USB case, #USB4X4X32 2.2GB Orb — Revolutionary removable media storage by

Castlewood Systems holds 2.2GB of uncompressed storage capaci-ty. Includes a 2.2GB cartridge. #ORBUSB \$259 250MB Zip — lomega USB 250MB Zip drive. Easy to install, simply connect to the USB port on your system and install the included software. #ZIP250USB \$175 \$179

USB to SCSI Adapter — USB to SCSI adapter by Adaptec.
Allows you to attach any SCSI device to the USB port.
Supports up to 7 SCSI devices, sussescsi \$69

SuperDisk Drive 120MB & Floppy — Imation LS-120 USB drive for iMac & Blue G3 systems. Reads Mac & PC for-mats. Uses 1.4MB and 120MB disks. #USBLS120 \$14 1394 USB/PCI BOARD — 2 1394 ports & 2 USB external ports for plug and play peripherals. #70HTI,00060 5149

Floppy Drive - Teac USB floppy for iMac. Reads & writes d PC formats. Features iMac blue case. #USBFLOPPY \$85 USB Hard Drives — USB external hard drive with built in fan & USB cable. Cool looking translucent white plastic casing.

10GB #USBIOGB \$169 15GB #USB15GB \$195 20GB #USB20GB \$213 30GB #USB30GB \$275

Visit our website at: www.megahaus.com/usb

Sales Hours (CST): Mon - Fri: 8am - 8pm Sat: 9am - 3pm "We appreciate your business!"









# Call 1-800-786-1153 For The Best Buy

# HARD DRIVES

# Quantum.

18.2 GB \$345 SCSI Ultra 160 Int. (XC318400LW)

\$475 Ext. (XC318400LWX)

# Seagate

9.2 GB \$231 Ultra SCSI (ST39216N) Int.



Barracuda \$291 Ext. (ST39216NX)

18.2 GB \$359 Ultra 160 SCSI Int. (07N3110)



UltraStar 18FS \$489 Ext. (07N3110X)

# TOSHIBA



Reads DVD-ROM, DVD-R, DVD Video, Video CD. CD-ROM, CD Audio, CD-R & CD-RW disks. 2MB buffer Stores up to 5.2GB on a single disk. (SDW1111)

# Panasonic



1x20x2 \$589 Complete SCS1-2 Kit Reads DVD-ROM, DVD-R, CD-R & CD-RW disks. 2MB buffer. W/soft. & 2.6GB DVD disk. (LFD103U)

# CREATIVE



1x16x2 \$279 Complete 5C51-2 Kit Reads DVD-ROM, DVD-R, CD-R & CD-RW disks. Stores up to 5.2GB on a single disk. (CLDVDRAM)

# ULTRA SCSI HARD DRIVES

# Seagate

Capacity	Speed	Butter	Part Number	Int.	Ext.
9.2GB	7200rpm	2MB	ST39216N	\$231	\$291
18.4GB	7200rpm	2MB	ST318416N	\$338	\$398

# ULTRA WIDE SCSI HARD DRIVES

# Seagate

Capacity	Speed	Buffer	Part Humber	Int.	Ext.
9.2GB	7200rpm	2MB	ST39216W	5231	\$321
18.4GB	7200rpm	2MB	ST318416W	\$338	\$428

# SCA HARD DRIVES



Capacity	Speed	Buffer	Part Number	Int.
9.2GB	2MB	7200	ST39236LC	\$231
9.2GB	4MB	7200	ST39236LCV	\$245
9.2GB	4MB	10,000	ST39204LC	\$339
18.2GB	4MB	10,000	ST318404LC	\$495
18.4GB	2MB	7200	ST318436LC	\$339
18.4GB	4MB	7200	ST318436LCV	\$352
36.7GB	4MB	10,000	ST336704LC	\$869
36.7GB	16MB	10,000	ST336704LCV	\$899
73.4GB	4MB	10,000	ST173404LC	\$1389
73.4GB	16MB	10.000	ST173404LCV	

# Quantum.

SCA & SC	A ULTRA-2	Single Conne	ector Attachment	
Capacity	Speed	Butter	Part Number	1
9.1GB	4MB	7200	XC309100SCA	\$2
9.2GB	8MB	10,000	TY309200SCA	53
18.3GB	4MB	7200	XC318400SCA	\$3
18,4GB	8MB	10,000	TY318400SCA	\$5

## 219 345 36.4GB XC336400SCA \$689 4MB 7200 36.7GB 10,000 TY336700SCA 8MB 73.4GB TY373400SCA \$1739

# BE A WINNER!

See details in this issue on how to cast your vote for MegaHaus as the "Best Place to Buy Hard Drives in the 2000 Shopper's Choice Awards. Help us by casting your vote and WIN, WIN, WIN!

# ULTRA/160M SCSI HARD DRIVES

# Quantum.

Capacity	Speed	Buffer	Part Number	Int.	Ext.
9.1GB	7200	4MB	07N3120	\$245	\$375
9.1GB	10,000	4MB	07N3220	\$333	\$473
18.2GB	7200	4MB	07N3110	\$359	\$489
18.3GB	10,000	4MB	07N3210	\$499	\$629
36.4GB	7200	4MB	07N3100	\$717	\$847
36.9GB	10,000	4MB	07N3200	\$859	\$989

# Seagate

Ultra 160	SCSI (up to 1	60MB/sec	c)		
Capacity	Speed	Buffer	Part Number	int.	Ext.
9.2GB	7200rpm	2MB	ST39236LW	\$231	\$361
9.2GB	7200rpm	4MB	ST39236LWV	\$245	\$375
9.2GB	10,000rpm	4MB	ST39204LW	5339	\$469
18.2GB	10,000rpm	4MB	ST318404LW	\$495	\$625
18.4GB	7200rpm	2MB	ST318436LW	\$339	\$469
18.4GB	7200rpm	4MB	ST318436LWV	\$352	\$482
36.7GB	10,000rpm	4MB	ST336704LW	\$869	\$999
36.7GB	10,000rpm	16MB	ST336704LWV	\$889	\$1019
73.4GB	10,000rpm	4MB	ST173404LW	\$1389	\$1519
72 dCR	10.000emm	16MB	ST1734041 WV	\$1400	£1530

ULTRA 160 SCSI (160MB/sec)

Capacity	Speed	Buffer	Part Number	Int.	Ext.
9.1GB	7200rpm	4MB	07N3120	\$245	\$375
9.1GB	10,000rpm	4MB	07N3220	\$333	\$463
18.2GB	7200rpm	4MB	07N3110	\$359	5489
18.3GB	10,000rpm	4MB	07N3210	\$499	\$629
36.4GB	7200rpm	4MB	07N3100	\$717	\$847
36.9GB	10,000rpm	4MB	07N3200	\$859	\$989
We carry	a complete l	ine of Ul	tra 160 SCSI C	ontroller	s. Call!

# FIBRE 160 HARD DRIVES

# **Seagate**

Speed	Butter	Part Number	Int.
10,000rpm	4MB	ST39204FC	\$339
10,000rpm	4MB	ST318404FC	\$495
10,000rpm	4MB	ST336704FC	\$869
10,000rpm	4MB	ST173404FC	\$1439
	10,000rpm 10,000rpm 10,000rpm	10,000rpm 4MB 10,000rpm 4MB 10,000rpm 4MB	10,000rpm 4MB ST39204FC 10,000rpm 4MB ST318404FC 10,000rpm 4MB ST336704FC

# Prolong the life of your hard drive by keeping it COOL!



Mounts in a 5.25" bay. Features dual cooling fans & heat activated circuitry to increase fam speed as the drive gets warmer. A necessity for 7200 & 10,000rpm drives. [VHDFAN]

# CD MEDIA

# **Unbeatable Prices** on all CD Media!

# CD DECODDABLE MEDIA

-	D RECURDABLE	WEDIA
CDR-	74 in jewel case	<b>Hot New Price!</b>
12x	Budget 5 pack (CDR74B-5)	\$6
12x	Budget 20 pack (CDR74B-20)	\$22
12x	Budget 50 pack (CDR74B-50)	\$50
12x	Budget 100 pack (CDR74B-100)	\$89
12x	5 pack (CDR74-5)	82
12x	20 pack (CDR74-20)	\$27
12x	50 pack (CDR74-50)	\$66
12x	100 pack (CDR74-100)	\$125
12x	Platinum 5 pack (CDR74PA-5)	\$9
12x	Platinum 20 pack (CDR74PA-20)	\$29
12x	Platinum 50 pack (CDR74PA-50)	\$69
12x	Platinum 100 pack (CDR74PA-10	0) \$129
Print	able CDR-74 in jewel case	Alone with CDR
12x	Budget 5 pack (CDR74PB-5)	\$7
12x	Budget 20 pack (CDR74PB-20)	\$22
12x	Budget 50 pack (CDR74PB-50)	\$54
12x	Budget 100 pack (CDR74PB-100	) \$95
12x	5 pack (CDR74P-5)	\$10
12x	20 pack (CDR74P-20)	\$37
12x	50 pack (CDR74P-50)	\$89
12x	100 pack (CDR74P-100)	\$179
NEW	80 MINUTE MEDIA!	
12x	5 Pack [CDR80-5]	\$7
12x	20 Pack [CDR80-20]	\$15
12x	50 Pack [CDR80-50]	\$49
12x	100 Pack [CDR80-100]	\$99
Bulk!	Spindle 74 minute media. Includes 5	0 CD-Rs (12x),
	No jewel cases included (CDR74S	8-50) \$59
<b>Bulk!</b>	Spindle 74 minute media. Includes 10	00 CD-Rs (12x),
	No jewel cases included (CDR745	
Bulk!	Spindle 80 minute media. Includes 1	00 CD-Rs (12x),
	No jewel cases included (CDR80S	8-100) \$99
	THE RESIDENCE OF THE PARTY OF T	

# TO DEWINITABLE MEDIA

CDR		<b>Hot New Price!</b>
4x	Budget 5 pack (CDR74WB-5)	\$9
4x	Budget 20 pack (CDR74WB-20)	\$35
4x	Budget 50 pack (CDR74WB-50)	\$79
4x	Budget 100 pack (CDR74WB-100	\$159
4x	5 pack (CDR74W-5)	\$22
4x	20 pack (CDR74W-20)	\$69
4x	50 pack (CDR74W-50)	\$179
4x	100 pack (CDR74W-100)	\$299
	er inquiries welcome. We will not t letermined to be the #1 source for	

U.S.A. Need LARGE volumes? Nobody beats MegaHaus!

Shop our web site with secure ordering 24 hours a day at:

www.megahaus.com







Sales Hours (CST): Mon - Fri: 8am - 8pm Sat: 9am - 3pm

"We appreciate your business!"

# MEGAHAUS is The Drive Authority!

# IDE CD REWRITABLE

· Hewlett Packard 10x4x32 ReWritable · Writes to CDR (write once) or CDRW (rewritable) media Supports packet write, 4 MB buffer, tray loading IDE internal with software (C4492A)

· Plextor 8x4x32 ReWritable ·

Writes to CDR (write once) or CDRW media. Supports packet write, 4 MB buffer, tray loading. IDE internal with software, I R & I RW disk [PXW8432R] \$249

• Yamaha 8x4x24 ReWritable •

Writes to CDR (write once) or CDRW media. Supports packet

write, 4 MB buffer, tray loading. IDE internal [YCRW8424E]

IDE internal with software & 1 RW disk (YCRW8424EK) · Sony 10x4x32 Rewritable · Writes to CDR (write once) or CDRW media. Supports packet

write, 4 MB buffer, tray loading. IDE internal with software, 1 R & 1 RW disk (CRX145E) \$265

+ Creative 8x4x32 Rewritable + Packet write, 2MB buffer, tray load.

IDE internal with software & 1 RW disk [SBCDRW8432] · MicroSolutions Parallel Port CD-RW ·

4x4x20 CD Rewritable (BACKPAC4X20) \$285 · Acer 8x4x32 ·

Packet write, 8MB buffer, tray load. IDE internal with software & 1 RW disk (CRWs432A) \$225 • Ricoh 8x4x32 +

Packet write, 4MB buffer, tray load. IDE internal with software, 1 R & 1 RW disk (RW7080AK) 5225 We have upgrade controller card solutions for all of your

storage needs. Our representatives can assist you in choosing the best controller for your drive purchase.

# SCSI CD RECORDERS

# · Plextor 8x20 ·

Packet write, 1MB buffer, caddy load w/tray/caddy adapter. Includes software and 1 disk.

Internal (PXR8020T)/External (PXR8020TX) 5700/\$380 • Teac 8x24 +

Packet write, 4MB buffer, tray load w/software & 1 disk. Internal complete kit (CDR8X24TK) \$265

# SCSI CD REWRITABLE

# · Plextor 8x2x20 ReWritable ·

Packet write, 4MB buffer, tray loading.

SCSI Internal (PXW8220R) / SCSI Ext. (PXW8220BX) \$325/\$385

· Yamaha 8x4x24 ReWritable ·

Packet write, 4MB buffer, tray loading. SCSI Internal [YCRW84245]/External [YCRW84245X] \$239/\$289

· Sony 10x4x32 ReWritable ·

Packet write, tray loading.

SCSI Internal (CRX1488)/External (CRX1488X) \$319/\$379

· Hewlett Packard 8x4x32 ReWritable · Packet write, 4MB buffer, tray loading.

SCSI Internal (C4457A) /External (C4457AX) \$279/\$339

· CenDyne 12x4x32 ·

Packet write, 4MB buffer, tray loading. SCSI Internal (CD1CD60028) / SCSI Ext. (CD1CD60028X) \$325/\$385

· Plextor 12x4x32 ReWritable ·

Packet write, 4MB buffer, tray loading. SCSI Internal (PXW12432B)/SCSI Ext. (PXW12432BX) \$299/\$359

Check out our unbeatable CD media deals on the previous page.

# DUPLICATOR



· Fast 4X duplication speed, built in CD reader. LCD panel w/controls. . Built in hard drive allows you to save often used disk images. . Duplicate almost any type of disk. If the CD-ROM can

read it, you can duplicate it. \*
Operating system independent. \* Connect to PC or Mac to produce master CD's \* Direct write from CD-ROM to CD-R \* source from CD to HDD once, then make 1-99 duplicates on the CD-R . Create custom audio CD's from multiple audio CD titles. CDEZDUPE \$920

# BEST BUY IN CD REWRITA



# 8x4X32 IDE

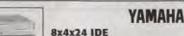
RICOH

Int. (RW7080AK) \$225 With software, 1 R & 1 RW disk



## SONY 10x4x32 IDE

Int. (CRX145E) \$265 With software, TR & TRW disk

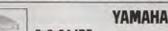


Int. (YCRW8424E) \$209



8x4x32 IDE Int. (PXW8432R) \$249

PLEXTOR



8x8x24 IDE

Int. (YCRW8824E) \$219

With software, 1 R & 1 RW disk



**CD5328** 

PX32CS coulder

CDR3010

XM6401B

PX40TSUW

CD540E

SBCD52

UCR412

UCR421

Alone/With CDR drive purchase

CRMCFX48X

Ext Case Parallel port (PPCASECD)/Ext (PCMCASCD)
HotPort External IDE CD case (MOTPORT)

Pioneer SCSI 24x 6 Disk external CD Changer

UCR415

Teac

Plextor

Tashiha

Plextor

Brand

Teac

Creative

Mitsumi

Kenwood

Kenwood

NEC

10x4x32 IDE

Int. (C4492A) \$275 With software

CD ROM READERS

Max Spin 32X

35X

40X

40X

52X

· WIDE SCSI DRIVES ·

40X

· ATAPI DRIVES (IDE) ·

40X

40X

52X

48X

52X

72X

We've got Labtec Speakers, Microphones & Headset Deals! Call

iewel case inserts. Easy to use. With the included stand-alone

· CD MASTERING SOFTWARE · Adaptec Easy-CD Creator \$30 w/drive purchase Retail \$90 Super easy to use Supports Windows 95, 58 and Windows NT 3.51, & 4x. Bundle version new supports Macintosh operating system. Win & Mac. Retail \$80

The #1 mastering software for Macintosh, Supports Mac OS7 and later on

Creative Digital Research HyCD for UNIX Retail version \$1559

HyCD Publisher works on SunOS, Solaris, and IRIX. It is used to develop Hybrid CD-ROMs integrating PC (180 9606 & Jollett), Maciatosh (HFS), and UNIX (Rock Ridge) formats on a single CD-ROM. Note: Bundle versions may only be solid with a CD-R or CD-RW drive.

software, making professional looking labels is easy. CD

Stomper Pro software works with Win 3.1, 95, NT, & Mac.

New Creative Labs Sound Blaster Live MP3+ |SBLIVEMP3-

· CD LABELER ·

Complete CD labeling system. Includes Software

with over 1200 predesigned backgrounds & clip

art, 50 labels, label applicator, and 20 sets of

Max Spin

85ms

85ms

85ms

85ms

85ms

90ms

85ms

85ms

7Sms

100ms

65ms

85ms

9firms

\$75

5140

572

882

\$149

\$49

\$49

\$47

\$47

\$82

\$112

# PACKARD



\$165

\$183

\$230

\$162

\$239

\$189

\$395

Int Kit

\$79

579

\$77

377

\$112

\$155

\$129

\$79/\$119

12x4x32 SCSI PLEXTOR

Int. (C4457A)

8x2x20 SCSI

8x4x24 SCSI

8x8x24 SCSI

Est. (C4457AX) \$339

Int. (PXW8220R) \$325

Ext. (PXW82208X) \$385

Int. (YCRW84245) \$239

Ext. (YCRNINIZASI) \$289

Int. (YCRW8824S) \$249

Ext. (VCRW88245X) \$299

10x4x32 SCSI

Int. (CRX1455) \$319

Ext. (CRX1455X) \$379

Int. (PXW124328) \$299 Ext. (PXXV124328X) \$359

# DVD DRIVES

MegaHaus 16X Drive kit (DVD16K)T1 Creative Encore 8X DVD Drive kit [CLDVD8KIT] \$229 Interface CB Speed CB Speed UVB Speed 40X/80ms 12X, 90ms Part# Price SDM1402 S149 Toshiba IDE Pioneer IDE 40X/80ms 16X, 110ms DVD115 \$165 Pioneer SCSI 32X/90ms 4.8X,120ms DVD303 Hollywood MPEG-2 Decoder (HOLLYWOOD) \$69

Waveless wireless transmitter allows you to transmit DVD movies from computer to TV (PCTOTV) \$119 or \$109 w/DVD drive.

# CD MULTIDRIVE TOWERS

# · CD ROM TOWERS ·

For fast access to multiple CD's at one time. Perfect for schools, networks, and more. Toll free support. Ask about our 52X models!



4 DRIVE SCSI TOWERS

(Ask about our

79ms Toshiba \$399



7 DRIVE SCSI TOWERS rifest about our

PACKARD

PLEXTOR.

YAMAHA

YAMAHA

SONY

\$279

40X 79ms Toshiba \$699 Plextor \$439 40X 85ms Piextor

Ethernet CD Towers - Built-in 10 baseT or 100 baseT Ethernet connection. Hooks directly to your network. Designed for mixed LAN environment - can be used simultaneously from Windows 95, NT, OS/2, DOS, and UNIX platforms using Novell Netware, Microsoft Networks. and NFS. Prices shown for 10base T, 10/100 also available. CALL.

2beea	Brand	7 Drive	Item #	13 Drive	Hem #
32X	Plextor	\$1305	APLICX40X7N	\$2259	#PLEX40X13T
40X	Toshiba	\$1195	#T056401X7N	52059	#T086401X15T
40X	NEC	\$1125	ANECHHIXZN	\$1925	ANECHO X13T
52X	Kenwood	\$1739	REENHESTS.	\$3049	#KEN4LSXLST

# **New! Auto Switching Ethernet CD Towers**

Auto switches between 10 baseT or 100 base T Ethernet connection. Hooks directly to your network. Designed for mixed LAN environment - can be used simultaneously from Win 95, NT, Win for Workgroups, OS/2, HTTP, Mac, and UNIX. 40 drive speed, 8 drive tower. Item #MIT40X8N \$1189

Sales Hours (CST): Mon - Fri: 8am - 8pm Sat: 9am - 3pm "We appreciate your business!"







1-800-786-1153 WWW.MEGAHAUS.COM

# Call 1-800-786-1153 For The Best Buy

+ IOMEGA 100MB ZIP +	
Internal IDE [ZIP100A] / 10 Pack (ZIP100A-10)	\$75/\$699
External SCSI (ZIP100)	\$109
Parallel External (PPZIP100)	\$109
External USB (ZIP100USB)	\$129
Zip media [ZIP100C] 2-9/10+	\$12/10
· IOMEGA 2GB JAZ ·	
Internal SCSI (JAZ21)	\$309
External SCSI (JAZ2X)	\$315
Jag J CR modia HAZICICIO 2 SIS 0701	690/77/75

# OPTICAL DRIVE

\$85/80/77

Jaz 2 GB media (JAZ2GIGPC) 2-5/5-9/10+

## . SONY 5.2 GIG .

Compatible with 544" 650MB, 1.3GB, & 2.6GB disks \$1399/1539 SCSI Drive Int. (SMOFSS1) / Ext. (SMOFSS1X) 5.2GB media (SMAX5.2) 1-4/5-9/10+

# TAPE BACKUP

" SEMUMIE OUD IN4"	
4GB native and 8GB compressed capacity. Backup rate	up to
60MB/min. Includes DOS/Win backup software & 1 tape.	
Internal IDE, with I tape [ST[2800A]	\$189
External IDE, with 1 tape (STT28000AX)	\$319
Internal SCSI, with I tape [STT2800]N]	5225
External SCSL, with 1 tape [STT28000NX]	\$295
HEWLETT PACKARD 10GB TR5 +	
Includes backup software for Dos & Win. TR5 tapes \$43	
SCSI Internal TR5 (C4394A)	\$385
SCSI External TR5 (C4394AX)	\$475
SEAGATE 10GB TR5	
Internal SCSI NT/Netware software kit (STT22000N)	\$459
en	***

## SCSI TAPE DRIVES

## + 4MM DAT DRIVES +

	stive/Comp.)		Brand & Model	
2GB	4GB	66MB/min	Seagate STD24000N	\$419
			Seagate DDS-2 STD28000	
4GB	8GB	90MB/min	Sony SDT7000A1	\$519
4GB	8GB	60MB/min	HP C1599A1	\$525
12GB	24GB	144MB/min	Sony DDS-3 SDT9000AI	\$679
12GB	24GB	120MB/min	HP DDS-3 C1554AI	\$709
20GB	40GB	288MB/min	Sony DDS-4 SDT11000A1	\$969
48GB	96GB	48MB/min	Seagate STL496000N	\$1999
72GB	144GB	120MB/min	HP C5648A 6 tape loader	\$1669
160GB	320GB	840MB/min	Sony TSL-S11000 tape loader	\$2559
Media	1-4/5-9/1	0+ 120M		16/13/11
Media	1-4/5-9/1	0+ 125 1	deter (DATI25M) \$	31/28/26
Media	1-4/5-9/1	0+ 150 1	deter (DATISOM) \$59	/857/855
		+ EXABYTE	8MM DAT DRIVES +	
7GB	14GB	120MB/min	ELIANT820	\$1149
20GB		360MB/min		51999
140GB	280GB	180MB/min	EZ17SWK loader	\$4349
Media	2-4/5-9/1	0+ 160.5	leter (DATISOMSMM) 5	12/11/10
		· QUANTI	JM DLT DRIVES .	
20GB-	10GB	180MB/mi	n DLT4000	\$1299
			DLT4000X	\$1399
Abo	ve as ext	. Qtm case	DLT4000QX	\$1549
40GB-	BOGB	600MB/mi	n DLT8000	\$3879
Abo	ve as ex	t. our case	DLT8000X	\$3979
Abo	ve as ex	. Qtm case	DLT8000QX	\$3999
Media	2-4/5-9/1	0+ 0+ 0+	DLT3(DLT3)	\$36/34/32
Media	2-4/5-9/1	Ü-		\$39/36/34
Media	2-4/5-9/1	04	DITA/DITAL S60	0/867/865

Compressed capacity is with maximum compression. Speed and amount of compression depends on your application. Autoloaders may require certain options to get advertised capacity.

DLT Cleaning Tape(DLTCLEAN)

+ AIT DRIVES +

## Looking for rock bottom prices on your tape media? Visit our website & view the deals under our media listing at www.megahaus.com



Sony, Seagate call for price

Make your CDs look more professional with the Signature color CD printer. Prints on CD printable media. Compatible with Win 3.1, 95 NT, and MacOS, ONLY \$1069 (COPRINTERE)

# REMOVABLE



It's 2AM - DO YOU KNOW WHERE YOUR FILES ARE? Your data is valuable to you. Keep it safe by keeping it with you. Key on your drive when you start in the morning, key off & take it home with you at night. This is the best data security measure on the market.

## DATA-PORT V Removable Drive Brackets

High quality construction. Gold plated connections. Features built in cooling fan, SCSI ID switch. Metal frame construction, Plastic cartridge with metal top and bottom covers. New IDE 66 is backward compatible with ATA-33 drives.

COMPLETE KIT	PLATINUM	BLACK
Includes 1 frame, and 1 cartridge		
IDE 66 with plastic cartridge (przzosas)	\$85	n/a
IDE 66 with metal cartridge (\$12,200,808)	\$95	\$109
ULTRA WIDE SCSI (DP27000W)	\$139	\$159
EXTRA CARTRIDGE		
Plastic IDE 66 (DIACARISE)	542	n/a
Metal IDE 66 (DRACAPTING)	\$62	\$79
ULTRA WIDE SCSI (DRUNCART)	\$69	\$89
EXTRA FRAME		
IDE 66 (DEMENDENT)	\$52	
ULTRA WIDE SCSI (DISJAHRAME)	\$79	

## **DATA-PORT VI Removable Drive Brackets**

High quality construction. Gold plated connections. Features built in cooling fan with audible fan failure alarm SCSI ID switch. Metal frame and cartridge construction.

COMPLETE KIT	PLATINUM	BLACK
Includes 1 frame, and 1 cartridge		
Ultra SCSI (092200084)	\$89	\$129
ULTRA WIDE SCSI (IP?2000MV)	\$149	\$169
SCA (uses SCA drives) (092200SCA)	\$139	\$159
EXTRA CARTRIDGE		
Ultra SCSI (DESCARNO)	\$59	579
ULTRA WIDE SCSI (DR/WCARTW)	\$89	\$109
SCA (uses SCA drives) (crscacarr)	\$89	\$109
EXTRA FRAME		
Ultra SCSI (pressure)	\$59	
ULTRA WIDE SCSI (DRIMFRAMEN)	\$69	
SCA rescienture	\$79	
ACCESSORIES for DataPort V and VI	14.00	
Course whethe techniques	46	210

Plastic Carying Case. Fully lined. (DPCASE) \$25 Metal Carrying Case. Fully lined w/lock for extra security (DPCASEM) \$35 Keep your data sate - in fact, this is the ultimate in data safety. When you want to lock up your data - lock up your whole drive! With DataPort - You CAN take it with you when you go.

# BACKUP SOFTWARE

# Varietae (formarky Cananta) Backup Eva

ventus (formerly seagate) backup Lace	
Windows 95 & 98 (SEEMDWD)	569
WindowsNT Workstation (SHENTWD)	569
Windows NT/2000 Exchange Server Agent (SHENTX008)	5495
Windows NT/2000 SQL Agt E/F/G/S/I (SBENTSQUOT)	5565
Windows NT/2000 Server En (SEENTSE000)	\$569
Small Business Server Suite (SBENTSE)	8429
Netware single server & unlimited users (SBENWSE)	5449
Netware multi server [SBENWME]	\$829

# NovaStor

Win NT, Macintosh, and OS/2	
Compatible with SCSL IDE, and QIC drives (NOVACD)	555
NT SE for Windows NT/2000 (29210)	\$299
NT single server for NT/2000 (2020)	\$415
NT unlimited servers and unlimited users (2000)	5715
NovaBackup For Windows NT/2000	
Server (2000)	\$125
Workstation (29921)	\$59
NovaNet 8 for NetWare	
SE panie / Single Server for NetWare 25 User (1920)	\$319/\$339
Single Server for NetWare 1000 User (79300)	\$419
Unlimited for NetWare 25 User (79340)	\$589
Unlimited for NetWare 1000 User (19450)	5689

# 2.5" LAPTOP DRIVES

SECONDARA D

# TOSHIBA

0.000	#200rpm	A'Smini	MIKOULEMAP	2149
12.1GB	4200rpm	9.5mm	MK1214GAP	\$205
18.1GB	4200rpm	12.5mm	MK1814GAV	\$363
IBM -	10, 20 and 30	GB also ava	ilablet	
5.0GB	4200rpm	9.5mm	07N4391	\$159
6.0GB	4200rpm	9.5mm	DA206000	\$145
12.0GB	4200rpm	9.5mm	DA212000	\$209
18.1GB	4200rpm	12.5mm	DA218000	\$329
25.3GB	5411rpm	17mm	DA225000	5519
HITACH	II .			
6.0GB	4200rpm	9.Smm	DK32AA-60	\$142
12.0GB	4200rpm	12.7mm	DK23AA-12	\$209
2.5" Ac	cessories			
Diskmanage	r Software for la	rger drives on	older systems [ESSESSES]	\$12
Parallel c	ase for 2.5" d	rives [PPCAS	SE2.5]	\$69
PCMC1A.	case for 2.5"	drives (PCM	CIA2.5]	\$119
2.5" TO 3	5" adapter k	I (IDEKIT-2.8		\$15
2 C" drive ca	ddies-For IRM. To	hiba XVC. Com	ron and More Just \$49 cachi	

# EXTERNAL LAPTOP DRIVES

# MicroSolutions 4 1

Microsolutions offers a complete line of plug and play external drives. These drives easily interface with your computer's parallel printer port. They also have a pass through connector so you can use your printer at the same time.



32X CD-ROM	#BACKPAC32X	\$165
32X CD-ROM w/sound	#BACKPAC32XS	\$195
6GB Hard Drive	#BACKPACK6G	\$259
SGB Hard Drive	#BACKPACK8G	\$295
4x4x20 CD Rewritable	#BACKPAC4X20	\$285

# **Big Ultra Drives to** Store Ultra Big Files

Seagate (2MB)	30.6 Gig	Ultra ATA IDE (ST330638A)	\$199
Quantum (2000)	30.0 Gig	Ultra ATA IDE compaggodoum	\$245
Maxter (2MB)	61.4 Gig	Ultra ATA IDE (M94614708)	\$299
IBM (288)	76.8 Gig	Ultra ATA IDE 107839351	\$569
Seagate (4MB)	73.4 Gig	Ultra 160 SCSI ISTIJA404IWI	\$1389
Quantum (ama)	73.4 Gig	Ultra 160 SCSI (173734000W)	\$1739
Seagate (16MB)	73.4 Gig	Ultra 160 SCSI (ST(73404UW))	\$1409

# NEW! 1394 PRODUCTS



performance technology that can support up to 63 devices with current data transfer speeds up to 400Mbits per second. This hot new technology is also known as Firewire and i.Link.

1394 PCMCIA CARDBUS - Hot plug connect multimedia peripherals to your computer without restarting Dual connectors support 1394 peripherals such as disk drives. scanners, printers and digital cameras. 470HTL00040 \$109

1394 USB/PCI BOARD - 2 1394 & 2 USB external ports for plug & play peripherals. USB/PCI Board #70HTL00060 \$139

1394 PCI/Mac Board Krr - Edit video from your PC or your Macintosh #70171.13941

1394 Hus - Disconnect 1394 peripherals without disturbing other peripherals in a traditional daisy chain. Provides 5 additional 1394 ports from a single power supply. #70HTL00030

1394 REPEATER AND CABLES - Connect one repeater to mother using 15 foot cables. Reach up to 236 feet total length from the original 1394 host system.

Repeater: #70HTL00020 845 15 Ft. Cable: 6pin to 4pin #70CAB13943 15 Ft. Cable: 6pin to 6pin #70CAB13942 528 \$30

For our complete product line, visit our website at:

www.megahaus.com/1394

Shop our web site with secure ordering 24 hours a day at:

\$40/39/36

www.megahaus.com







Sales Hours (CST): Mon - Fri: 8am - 8pm Sat: 9am - 3pm

"We appreciate your business!"

1

22

AR

2

TE

127

127

三

72

0

6

TE

金

20

V.

# -800-262-0163

3126 Avenue U Brooklyn, NY 11229 Local & Overseas Call: 718-769-1186

Inquiries on Orders Placed Already ONLY 1-800-360-1722



New

STORE HOURS Mon-Thurs 9:30am-8:00pm Friday 9:30am-6:00pm

0

0

20

0

ξ

50

0

E

3

0

500

10

(m)

Saturday - Closed Sunday 10:00am-7:00pm

APO'S WELCOME

ebar uters.com œom User Friendly with Detailed Specifications!

# THINKPAD A-20

Celeron' 500 Processor 12.1" HPA Color Display. 64 Mb Ram 6Gb HD. 24X CD Rom, 56k Modern



THINKPAD I-1422 THINKPAD I-1441

Calaron 500 Processor Calaron 486 Processor 13" HPA Color Display, 12.1" Active Color Display, 32 Mb Rami6Gb HD, 64 Mb Ram/6 Gb HD, 24X CD Rom, 58k Modem DVD Rom, 56k Modem

\*1199° \*1599°



# FUJITSU

LIFEBOOK C-4235 K6-2° 450 Mhz Processor 12.1" Active Color Display, 64 Mb Ram 5.4 Gb HD, 24X CD, 56k Modern

\$1199<sup>99</sup>



Celeron\* 466 Mhz Processo CASE 12.1" Active Color Display, 64 Mb Rami 4.8 Gb HD, 24X CD Rom, 56k Mod \$10999 (New

1499

THINKPAD A20's ADD-21U Pentium" III 300 12.1 TPT 644:02:00:594 1998.99 ADD-24U Pentium" III 500 12.1 TPT 644:02:00:564 IMC 1998.99 ADD-24U Deleter" 1500 15 TPT 641:02:04:594 301.994.99 ADD-24U Pentium" III 000 14.1 TPT 641:02:04:594 2599.99 ADD-24U Pentium" III 000 15 TPT 128:16:DVID-594 CALL

THINKPAD T-20 m" III 650 Mhz Proc 13.3" Active Color Display, 128 Mb Ram's Gb HD,

24X CD Rom, 56k Modern THINKPAD T20's

52899° T2G-24U Pentium\* 8 651 13.3 TFT 128-024X 56x NGC 2998-39 T2G-64U Pentium\* 8 651 13.3 TFT 128-024X 56x NBC 3998-39 T20-42U Pentium\* 8 700 14.1 TFT 128 12 DVD 56k 3759 59

or Display Ram/HDCD5Mod Price THINKPAD 390's

Celeron 400 12.1 TFT Pentium 6 400 14.1 TFT 54/6.4/24X/56k 1689.98 Pertium 18 400 15 TFT Pentium 8 480 14.1 TFT Pentium 8 500 15 TFT 845.424X 56k 54/12/24X/56k 290% 54/12/24X/58k THINKPAD 600X

Pentium\* III 450 Mhz Proce 13.3" Active Color Display, 64 Mb Ram 6.4Gb HD

24X CD Rom, 56k Mod. \*2299\*\* 600E Pentum' II 400 13.3 TFT 600E Pentum' II 500 12.3 TFT 600E Pentum' II 500 13.3 TFT 600E Pentum' II 650 13.3 TFT 600E Pentum' II 650 13.3 TFT 6412240586 641224050

THINKPAD I SERIES

Celeron\* 466 13 HPA Celeron\* 500 12.1 TFT Pentium\* III 500 14.1 TFT Pentium\* III 500 14.1 TFT Celeron\* 500 12.1 TFT Pentium\* III 500 14.1 TFT Pentium\* III 500 14.1 TFT Pentium\* III 500 15.1 TFT 326740,56k 64607055k 6412243,56k 6412243,56k 6412243,56k 6412243,56k 6412243,56k THINKPAD i-1482

Celeron' 500 Mhz Proces DVD Rom, 56k Mod.

\*1999° THINKPAD 570's 570 Pentum\*8 356 132 TFT 64E.4 Opt 586 570E Pentum\*8 450 13.3 TFT 64E.0 Opt 586 570E Pentum\*8 500 13.3 TFT 6412 Opt 566

**LIFEBOOK SERIES** 

09235 K62" 450 Mnz 13.3 TFT 54.5 DVD:559 CB177 Celeron" 500 16.1 TFT 54.5 DVD:569 CB300 Pendum" 8 400 16.1 TFT 54.10 DVD:568 Pentium" III 450 14.1 TFT 64.9 EXDVD 95k 1800.50 Pentium'III 500 14.1 TFT 129 12 630 VO 958 CALL Pentium'III 500 14.1 TFT 64 9 63 DVO 568 1999 59 Pentium H 650 1A.1 TFT 128 12 EXDVD 563 2699.99

LIFEBOOK E-6550 Pentium' III 650 Mhz Proce 14.1" Active Color Display, 128 Mb Ram/12Gb HD. 6X DVD Rom, 56k Mod. \$2799

1699.99 \$17999 1899.99 141TV Permiss 160 2799.99 345TV Permiss 150 E5530 Perillum III 450 13.3 TFT 54.16.0 VID 558 E5150 Celeron 450 14.1 TFT 54.16.0 VID 558 E5530 Perillum III 450 14.1 TFT 54.6.2 KC 568 E5530 Perillum III 500 14.1 TFT 128.10.0 VID 558

TRAVELMATE \$14TV3 Deleton 45 14.1 TFT 546 DVD 558 800TER Perthan 850 11.1 TFT 54.12 CD-RW 500TER Perthan 850 11.1 TFT 12612 CD-RW 734TXV Penilium N 600 14.1 TFT 64.9 DVD 56k 3495 39 736TLV Penilium N 650 15 TFT 126 12 DVD 56k 2995 39

TRAVELMATE 340T Pentium\* III 450 Processor 12.1" Active Color Display, 64 Mb Ram 6.4 Gb HD, 56k Mod. Ext. 24X CD Rom & 3.5" Floor

MINI TOSHIBA SONY PICTURE BOOK CIXS

ham\* II 400 Proc

m 12Gb HD,

PORTEGE 3110CT m\* II 300 Proces 10.4" Active Colo 64 Mb Ram, 6.4Gb HD 56k Modem \$149999

\$2199°

THINKPAD 240 Neron\* 450 Proc

10.4" Active Color 64 Mb Ram/6.4Gb HD \$1699°

HANDHELD PC'S

SONY VAIO SR5K m\* III 500 Pr 10.4" Active Color,

64 Mb Ram/9Gb HD \$1999°

NOTEBOOKS

PDA'S

COMPAG

PRESARIO 305
"Coloren" 333 Process
11.3" Active Color
64 Mb Rami4 3Gb HD, Ext. 24X CD Rom

COMPAG ARMADA M300 Pentium\* III 500 Proc 11.3" Active Color 64 Mb Ram 6Gb HD,

NIC 10/100 \$2499

3COM Palm Ille 2 No Mercon 4149°

3COM PALM Vx Organizer, LCD Ba P379"

3COM

0 JORNADA 545 16 Mb Ram. 240x320 Pixel LCD 65.536 Oxlors Lip & Hour Rattery Only 9 1 Ounces 1449"

PACKARD JORNADA 890 37 Mb Ram, 8400/45 Res 8.5 CSTN Color Display

849" 1299"

FOR LESS

COMPAG.

**AERO 2130** 

**AERO 1830** 16Mb R \*189\*

New

5170

COMPAG

Nikon Coelpix

Nikon toolets

COMPAG **IPAQ H3600** 32 Mb Memory 240x320 Plant Res 459



Kodak DC-290

Kodak pc-280

## SPECIALS OF THE MONTH

TOSHIBA Satallita 2180CD Kill\* 475 Mhz Processor 12.1\* Active Color 4.3 GB HD 24X CD Ros 56k Mode



Thinkped 240 Celeran\* 366 Mhz Prace 10.4\* Active Color

REMANUFACTURED

4.3Gb HD 24X CD Re



8 Mb Memo

Pockel Size 429"

> COMPAG K61-2 450 Mitz Processor 14.1" Active Color 64 Mb Run

THINKPAD 390X

Coloron\* 400 Mhz Processor 12.1" Active Color Display.

\$1599<sup>th</sup> VALUES

# OLYMPUS C-2500L +171 h 1368 Brodnis \*Dual Ski liv Compact Rash & Smart Media In Stock

OLYMPUS D-4607. +8 Mb Card In Stock

OLYMPUS D-360L In Stock

3556 SONY Minic MVC FD 90 \*8% Ostical Town. - MPES Wood 3.5 Floor

DIGITAL IMAGING DEPARTMENT \*\* CAMPLAN

SONY Meta

+2 Mirgu Print

MIRC Wood

SONY MVC FD 85 +1.5 Mess Find \*IX Owned Zoom · MPEG Muli 57,25 14 Pippy

\*549 Canon Promise +3.34 Mirgs Pi +2% Optical Zo 110 659°

\$499° Kodak DC-215

5 549.40 100 00 400.00 New New 699.95 Nea

# 1799° COMPAO PRESARIO 1692

COMPAO

K6° -2 400 Mhz Processo

PRESARIO 1247

4Gb HD 24X CD Rom

K6'-2 433 Processor 64 Mb Ram 6.4 Gb HD



TOSHIBA

Coloron\* 400 Mhx Processor 13" Dual Scan Color Dayley, 64 Mb Rum

SATELLITE 2595 CDS

SATELLITE 4100XDVD

Pentium\*II 400 Processor 64 Mb Ran 6 Gb HD DVD Rom 56k Moder

°1099 TOSHIBA TOSHIBA TECRA 8100

4.6 Gb HD 24X CD Rom

Pentium'III 450 Processor 14.1° Active Col 54 Mb Ram 5Gb HD 24X CD Rom

New Olympus C-3030 Olympus C-3000 Olympus C-2500L In Stock Olympus C-2020 Olympus C-2000 549.99 Sony DSCD-770 749.99 688.99 Sony DSC-550

Sony DSC-F505

369.00 Sony Marica MVC FD9 Sony Mavics MVC-FD68 699 99 Sony Mavica MVC-FD83 469.99 Sony Marica MVC-FD73 Nikon Coolaix 800. 440.00 Parasonic PVDC-2090 Panasonic PVDC-2590

Carrier Powershut 70 Conor Powerby S10 Carron Company 2710F Microbia Dimago 2300. Fui MX-1700 Full Finit Pix 4700 Samsung Digimax 210SE Wordsh DC-2404 CALL

\*1299° 1499 71699 Sony DSC-S30. 419.99 Parteronic PVDC-4090 ning Report to 1 Continue on

CITIZEN PN-50, ONLY 1.1 LBS. WITH ANY NOTEBOOK OVER \$1200 d with any other offer. Must mention Promotion Number 721

ON PURCHASE OF ANY NOTEBOOK WITH MANUFACTURERS AND INTERNE CALL FOR DETAILS

WEBSITE:

ww.marineparkcomputers.com Our Site is User Friendly with Detailed Specifications!

New

SCHOOLS, AND FORTU **500 PURCHASE ORDERS** GOVERNMEN NE WELCO

New

SATELLITE 1605CDS 12.1" Dual Scan Colo or Display 32 Mb Ram 4.3 Gb HD, 24X CD, 55k Modem

\$89999

VE

תחו

75

40

> 25

12

1

1

U

SATELLITE 210500S K8-2 400 Mhz 12.1 DS 644 3/24x 56k 2180CDS KS-2 450 Mhz 13 US 2180CDT KS-2 475 Mhz 12.1 TF 2218XCDS Celeron\* 50 13 DS 64/4.3/2V±56k 1099.99 2180COT K6-2 475 Minz 12.1 TFT 644.3/24s/56k

64.6/24X.56k 1199.95 2210CDT Celevon\* 805 12 FFT 64-6-24.55k 1299.99 2615DVD Celevon\* 805 12.1 TFT 64-6-DVD-56k 1299.99 2655XDVD Celevon\* 805 14.1 TFT 64-6-XXDVD-56k 1599.99

SATELLITE 2675 DVD

Pentium\* III 450 Mhz Pn 12.1" Active Color Display, 64 Mb Rami6Gb HD, 4X DVD Rom 56k Modern \$1599°°

41000DVD Pentum's 400 14.1 TFT 54.6.4 DVD:56k CALL 4250DVD Pentum's 450 13.3 TFT 64.6 EX DVD:56k 1799.99 428000V0 Persium\*# 500 14 1 TFT 64/6/00 DV0-964 2099 99 nium" 8 500 15 TFT 64 6 EX DVD 56k 2399.95

SATELLITE 2715XDVD Pentium\* III 500 Miz Proce 14.1" Active Color Display,

64 Mb Ram 6 Gb HD, 4X DVD Rom 56k Moden

\$1899<sup>96</sup>

SATELLITE 1625 CDT K6\*-2 475 Mhz Processor 12.1" Active Color Display, 64 Mb Rami 4.3 Gb HD, 24X CD Rom, 56k Modern

\$109999

Model Processor Display Ram HD CD Mod Price Model Processor Display Ram HD CD Mod Price TECRA

64/10/24X.56k Pertium"# 400 14.1 TFT 12810.0VD/Qst. 1899.99 Pertium"# 500 14.1 TFT 6410.00VD/Qst. CALL 8000

**TECRA 8100** Pontium\* III 450 Mhz Pro 14.1" Active Color Display, 64 Mb Ram 6Gb HD, 24X CD Rom

COLOR

56k Mode \$199999

Perturi 8 500 14.1 TFT 646.1204059k 2299.99 Perturi 8 600 14.1 TFT 641204059k 2599.99 Perturi 8 650 14.1 TFT 1286.1204059k 3199.99 # 600 14.1 TFT 64/120/0598 # 650 14.1 TFT 1296.120/0598 # 700 14.1 TFT 129120/0598 CALL

PORTAGE 3110 CT Pentium\* II 300 Mhz Processor 10.4" Active Color Display, 64 Mb Ram/6.4Gb HD,

\$1599<sup>™</sup> PORTAGE

3440CT Pentium' III 500 11.3 TFT 64/6/Opt./56k CALL 7200CT Pentur"s 395 13.3 TFT 645.40(x).594 1993.99 ZS05JE Pentur"s 50012.1 TFT 649/Cpt.594 2299.99 DVD Rom, 556 N 7500CT Pentur"s 500 13.3 TFT 648.40(x).596 2299.99 ZS05HS Pentur"s 50012.1 TFT 12812.0 (x).596 2599.99 ZS05HS Pentur"s 50012.1 TFT 12812.0 (x).596 2599.99 T200CT Pentur"s 650 13.3 TFT 6412.0 (x).596 ZS05JS Pentur"s 65012.1 TFT 12812.0 (x).596 ZS05JS Pentur"s 65012.0 (x).596 ZS05JS Pentur TFT 12812.0 (x).596 ZS05JS Pentur TFT 12812.0 (x).596 ZS05JS Pentur TFT 12812.0 (x).596 ZS05JS Pentur T

transaction MANA

VAIO PCG-F520 " III 500 Proc 13" HPA Color Display 64Mb Ram/5.4 Gb HD, 24X CD Rom, 56k Mod.

\$1699°

Display Ram/HD/CD/Mod Price VAIO SERIES F-830

Pentium' # 450 14.1 TFT 64/6.4 DVD 56k 128 18 DVD/56k 3399.99 Pendium' # 650 15 TFT Penlum' FI 500 14.1 TFT 648 DVD 56k 2199.99 2399.99 Penlum' # 600 14.1 TFT 64.9 DVD 56k 2399.99 Penlum' # 650 15.1 TFT 64.12 DVD 56k 2799.99

> VAIO PCG-XG28 of III 650 Mbr Processor 13.3" Active Color Display, 128 Mb Ram 12 Gb HD, DVD Rom, 56k Mod. \$2899°

XG-18 Pentium\* III 650 13.3 TFT 128/18/DVD/56k 2995.99 XG-19 Pentium\* III 650 14.1 TFT 128/18/CD-RW 56k CALL

VAIO PCG-N505HE New Pentium\* III 450 Mhz Proc 12.1" Active Color Display, 64 Mb Ram 8.1 Gb HD. 56k Mod

\*2099° 2505/E Pentium\*III 50012.1 TFT 64.9 Opt. 56k DIA

New

New

ARMADA

PRESARIO 1200-XL118 K64-2 500 MHZ Processor 13" HPA Color Display 24X CD, 56k Modern

\$1099<sup>99</sup>

Display Ram HD CD Mod Price Model Proces PRESARIO

KS-2 400 Mhz KS-2 430 Mhz 12.1 HPA 32/3.2/34X/56k 13 HPA 64/4.8/24X/56k 1200-106 K6-2 475 Mhz 13 HPA 12/5/24 X 56k 999.99 1200-110 K6-2 475 Mhz 12.1 TFT 64/6.4/24 X 56k 1199.99

PRESARIO 1600-XL145 mº III 500 Proc

14.1" Active Color Display, 64Mb Ram/6.4 Gb HD, DVD Rom, 56k Mod. \$1799<sup>99</sup>

92 K8-2 A33 Mhz 12.1 TFT 64.6 ADVD 568 1399.99 94 K8-2 A30 Mhz 14.1 TFT 64.6 ADVD 568 1399.99 05-181 Paratum'il 500 15 TFT 64.6 EXDVD 568 2399.99 1800-190 Pentium 18 700 15 TFT. 128 6 DVD/56k 2899.99 1827 Partium" II 450 14.1 TFT 64.6 4 DVD 564 1799 95 Pentum\*8 450 15 TFT 64/6.4 DVD/56k Celeron\* 433 13.3 TFT 64/10/DVD/56k 1899.99 1905-161Pentum\*III-450 12.1 TFT 64.6.6XXXVD.568 1799.99 1905-163Pentum\*III500 13.3 TFT 64.6.4 DVD.568 2199.99

MicroSolutions

MicroSolutions
Backpack Bantam

PRESARIO 1800XL-180 15" Active Color Display DVD Rom, 56k Mod.

PRESARIO 1200-XL111

K6\*-2 500 Mhz Proces 13.3" Active Color Display, 64 Mb Ram 6.4 Gb HD, DVD Rom, 56k Mod.

\*1599°°

Please

0

\_

New

0557

2

TIMES

æ

5

9

æ

(OL)

Display Rem/rD/CD/Mod Price

Pentun' II 400 14.1 TFT 64.10.24X.56x 1799.99 Pentun' III 450 14.1 TFT 64.6.4.24X.56x 1999.99 Pentun' II 500 14.1 TFT 64.12.07/056x.2799.99 Pentun' II 550 14.1 TFT 64.24X.56x 1399.99 Pentun' II 700 14.1 TFT 64.12.4X.56x CALL MITTOO

**ARMADA V300** 

Celeron\* 400 Mhz Proce 12.1" Active Color Display, 64Mb Ram 4.3 Gb HD, 24X CD Rom, 56k Med.

\*1199° V300 Celeron" 466

12.1 HPA 32.4.3/24X/56k 1199.99 14.1 TFT 64/4.3/24X/56k 1499.99 64/6/24X/56k ARMADA E500 New

Pentium\* III 500 Proces 13.3" Active Color Display, 64Mb Ram's Gb HD, 24X CD Rom, 56k Mod.

\$1999°

Pentun' II 450 14.1 TFT 6412.24X/56A 2199.99 Pentun' II 600 14.1 TFT 6412.24X/56A 2699.99 Pentun' II 650 14.1 TFT 6412.0V.0/56A 2999.99 Pentun' II 700 15 TFT 6412.0V.0/56A CALL Perium'il 700 15 TFT 5412/DVD 564 CALL Perium'il 900 14.1 TFT 128/14/DVD 564 CALL Perium'il 500 15 TFT 128/16/DVD 564 CALL

## NOTEBOOK MODEMS AND NETWORKING MOBILE PERIPHERALS

Megahertz Blom U.S. Robotics

PCMCIA Data Fax F 19

Megahertz Mean U.S. Robotics

PCMCIA Data Fax Mode \$49<sup>10</sup> Office Fast 10000 U.S. Robotics

10/100 Base T 179™ Megahertz 30500 U.S. Robotics

X-JACK 56K BPS V.90 Modem & LAN 10 BT E 5 PCMCIA Card

169°

MOBILE SURFR by MOTOROLA PCMCIA Data Fax Mo \$39m IBM

SEK BPS PCMCIA V.90

695 Kircom S6K BPS

Data Fax PCMCIA Mod

\$89m Minn

PCMCIA Ethernet 10/100 + 55k Modern Data Fax Modern Card Mindack Connection

Ether Express 108T Ether Express Pro 1

6.4 GB Hard Drive For Notebooks REPLACE YOU DRIVE NOT YOUR CON

Ordy... \$17999

HARD DRIVES FOR ALL MAJOR BRAND NOTEBOOKS

139.99 12GB CALL 179.99 14GB CAL

MEMORY FOR ALL MAJOR BRANDS

**NEW & DISCONTINUED MODELS GUARANTEED LOWEST PRICE** 16MB, 32Mb, 64,Mb, 128MB

BATTERIES FOR ALL NEW AND OLDER MODELS Call for Price!

1 IOMEGA

1699 ZIP\* 100 Portable USB Drive

1 Zipa **External USB** 



\$24999 Universal Auto-**Power Adaptor** \$5999

ZIP ® 250Mib rtable USB Drive

Addonics

Pocket DVD \$269°

79.99

CD-RW

0

SureStore 8200E CITIZEN **CD Writer Portable** \$249°

24X CD Rom Drive

\$8999

\$12999

\*319\*\*

PRINTERS

16X CD Rom Laser Quality Color Printer 259"

BJC-80 Canon Portable Color Printer 720x3600Pt, 4 PPM Black clor, 30 Page Sheet Feeder

1169m 268.99 279.99

PN-50 SPECIAL Black & White Printer

\$99m brother. 600x600 DPL Up to 10PPM. POMCIA Co

\$199° 249.99

THE OLUTIO COMP UDE ACK: Network Ca

TOSHIBA SATELLITE 2105CBS FREE CITIZEN PN-50 Ultra Portable B&W Printer

Driv 1.1 Bs

\$899°

COMPAQ SARIO 1200XL

100 9



**\*999** 







Canon **BJC-2100** ₹13**9**9



HP-SAD Laser Quality Color Printer \*1699°





Canon



\$110

\$119

\$132

\$168

\$185

5214

\$319

\$140 \$140 \$172

\$233 \$310 \$456

\$570

\$105 \$126 \$120 \$141 \$144

5202

We HAMMER high prices! LOW, LOW Market Prices! Visit our Web site or call for today's price.

Friendly, knowledgable staff answers any questions before or after the sale. Toll free technical support!

# IDE HARD DRIVES www.harddrive.com QUANTUM ONL10200

10.2GB	7200rpm	QMP10200LM	\$121
15GB	5400rpm	QML15000LB	\$123
15GB	7200rpm	QMP15000LM	\$143
20.4GB	5400rpm	QML20400LB	\$143
20.5GB	7200rpm	QMP20500LM	\$168
30GB	5400rpm	QML30000LB	\$202
30GB	7200rpm	QMP30000LM	\$258
		SEAGATE	
10.2GB	5400rpm	ST310212A	599
10.2GB	7200rpm	ST310210A	\$120
13GB	5400rpm	ST313021A	\$113
15.3GB	5400rpm	ST315323A	\$123
15.3GB	7200rpm	ST315320A	\$137
17.2GB	5400rpm	ST317221A	\$127
20.4GB	5400rpm	ST320423A	\$134
20.4GB	7200rpm	ST320420A	\$166

30.6GB 7200rpm 5T330630A MAXTOR 51024U2 10.2GB 7200rpm 5400rpm 31536UZ 15.3GB 15.3GB 7200rpm 51536U3 20.4GB 7200rpm 52049U4 30.7GB 5400rpm 33073U4 30.7GB 7200rpm 53073U6 40.9GB 7200rpm 54098U8 61.4GB 5400rpm 96147U8 IBM 15**GB** 7200rpm 07N3927 20GB 5400rpm 07N3924 20G8 7200rpm 07N3928 30GB 7200rpm 07N3929 45GB 7200rpm 07N3931 7200rpm 60GB 07N3933

	WESTERNDIGHAL			
10.2GB	5400rpm	WD102AA		
10.2GB	7200rpm	WD102BA		
15.3GB	5400rpm	WD153AA		
15.3GB	7200rpm	WD153BA		
20.5GB	5400rpm	WD205AA		
20.5GB	7200rpm	WD205BA		
30.7GB	5400rpm	WD307AA		
45GB	5400rpm	WD450AA		

07N3935

7200rpm

75GB

2.	5" Lap	top / No	tebook Drive	os .
6GB	IBM	9.5mm	31L9820	\$150
12GB	IBM	9.5mm	31L9800	\$228
12GB	Toshiba	9.5mm	HDDZ149	5240
18GB	Toshiba	12.5mm	HDD2934	\$377
18GB	IBM	12.5mm	31L9780	5379
25GB	IBM	17mm	31L9770	\$530
Mounting	kits for	notebook	& laptop comput	ters \$59
		IDE Acc	assorias	

Promise PCI Ultra-66 controller Removable hard drive bracket External enclosures for IDE drives (assembly avail) Parallel \$84 USB \$84 Fire Wire \$144

# SCSI HARD DRIVES

SCA Vers	sions avaitable	e at same cost on	most	models.
	Q	UANTUM		
9.1GB	7200rpm	QM309100XCLW	4mb	\$209
9.2GB	10,000rpm	QM309200TYLW	8mb	5359
18.4GB	7200rpm	QM318400XCLW	4mb	5329
18.4GB	10,000rpm	QM318400TYLW	8mb	\$549
36.7GB	7,200rpm	QM336700XCLW	4mb	\$659
36.7GB	10,000rpm	QM336700TYLW	8mb	\$945
73.4GB	10,000rpm	QM373400TYLW	8mb	\$1599
		IBM		
9.1GB	7200rpm	07N3120	4mb	\$239
9.1GB	10,000rpm	07N3220	4mb	\$319
18.2GB	7200rpm	07N3110	4mb	\$345
18.3GB	10,000rpm	07N3210	4mb	\$469
36.4GB	7200rpm	07N3100	4mb	\$685
36.9GB	10,000rpm	07N3200	4mb	\$809
		SEAGATE		
9.2GB	7200rpm	ST39216N	2mb	\$230
9.2GB	7200rpm	ST39236LW	2mb	5230
9.2GB	7200rpm	ST39236LWV	4mb	5244
9.2GB	10,000rpm	ST39204LW	4mb	\$337
18.4GB	7200rpm	ST318416N	2mb	\$338
18.4GB	7200rpm	ST318436LW	2mb	\$338
18.4GB	7200rpm	ST318436IWV	4mh	\$351

10,400	TO, OUGH DITT	2121040404	400	2407
36.7GB	10,000rpm	ST336704LW	4mb	\$849
73.4GB	10,000rpm	ST173404LW	4mb	\$1379
	SCSI A	ccessories		
Adaptec	ISA A1505CDKIT	Г		\$55
Adaptec	PCI Ultra-2 A2	930U2 single/ki	t 518	5/5246
Adaptec	PCI Ultra-Z AZ	940UZW kit		\$325
Adaptec	32Bit PCI Ultra	160M A19160		\$247
Adaptec	32Bit PCI Ultra	160M A29160N	0	\$295
Adaptec	64Bit PCI Ultra	a 160M A29160		\$305
Adaptec	64Bit PCI Twir	Ultra 160M A3	9160	\$368
DPT 32B	it Single Chann	el RAID 0-5 PM1	564U3	\$468
DPT 32B	it Dual Ch. RAII	D 0-5 PM1564U3	-2U3	\$586
Ultra W	ide removable	drive bracket		\$70
100-	War - 4 11 11-0			

enclosures, controllers, RAID, cables, adapters, brackets, plus much, much more

# USB DEVIÇES

Iomega 250MB Zip USB with cable	\$169
4x4x8 CD ReWriter w/software ,PC Only U3007	05228
HP 8200E 4x4x6 CD ReWriter C4454A	\$259
Microsoft Natural Elite Keyboard 286-00082	\$49
Belkin Internal PCI Card adds 2 ports F5U005	539
ThorTek 8GB External Hard Drive THT8USB	\$195
full from the same of the fact of the first	

# CD and DV

Thor Rules Selection & Price!! www.cd-cdrw.com

# Hot NEW All-In-One Drives

	DVD	CD Read	Record	ReWrite		
Toshiba	4.8x	24x	4x	4x	SDR1002BK	\$285
Ricoh	4x	24x	6x	4x	MP9060A	\$295
		CD	ReWr	itable		

All come	comp	lete with mastering software &	media
4x4x20	IDE	Pacific Digital (Mitsumi)U-30051	\$179
8x4x32	IDE	Richoh MP7080A	\$229
8x4x24	IDE	Yamaha CRW8424EZ	\$235
8x4x32	IDE	Plextor PX-W8432TI/SW	\$245
10x4x32	IDE	HP SureStore 93001	\$279
10x4x32	IDE	Sony CRX145E/CH	\$279
8x4x24	SCSI	Yamaha CRW8424SZ	\$269
10x4x32	SCSI	Sony CRX145SC int/ext \$329/	\$389
12x4x32	SCSI	Plextor PX12432	\$349
4x2x8	USB	(PC & Mac) Pacific Digital U30053	\$218
4x4x8	USB	(PC Only) Pacific Digital U30070	\$228
10x4x32	IEEE	1394 FireWire Sony CRX145E/XI	\$449

DVD KOM				
Asus IDE 8X DVD / 40X CD ROM DVDE608	\$139			
Afreey IDE 10X DVD/ 40X CD ROM DD4010E	\$169			
Pioneer IDE 10X DVD/ 40X CD ROM Slot DVD104S	\$149			
Pioneer IDE 16X DVD/ 44X CD ROM Tray DVD115	\$159			
ThorTek Kit USB 8X DVD / 40X CD ROM & sft	\$235			
Addonics PCMCIA 4X DVD AEPDVD4X24	\$370			

		CD ROI	M .	
48X	IDE	USDrives	CD48X	\$40
48X	IDE	Delta	DELTA48X	\$40
48X	IDE	Mitsumi	CRMCFX48X	\$53
48X	IDE	Toshiba	XM6702B	\$59
72X	IDE	Kenwood	UCR421RP	\$126
40X	SCSI	Toshiba	XM6401B	583
40X	SCSI	Plextor	PX40TSI	\$113
52X	SCSI	Kenwood	UCR415RB	\$159

DVD RAI	W	
Toshiba SCSI, software, 1 disk	SDW1111	\$419
Panasonic SCSI with software	LDF103U	\$589

				JV D -K		
Pioneer	SCSI	W/3	disks	fr sftw	DVRS201	54799

# CD MEDIA

				Qty 1-4	5-10
CD-R	8 x	74min	20 in Jewel Case	\$20	\$19
CD-R	8 x	80min	50 on Spindle	\$45	\$43
CD-R	12x	80min	50 on Spindle	\$53	551
CD-R	8x	80min	100 on Spindle	597	594
CD-RW	2x	74min	4 in Jewel case	57	\$6
CD-RW	4x	74min	4 in Jewel case	\$13	\$11
Stomne	er Pro	with 5	0 CD labels	\$25	

# TAPE & REMOVABLE

	aupo Duenup		
4-8GB	Sony, SCSI, 4mm DAT SDT7000	5489	
4-8GB	Seagate, SCSI 4mm DDS-2 STD28000N	\$520	
5-10GB	Tecmar External Parallel DITTO10P:	5215	
10-20GB	Seagate, IDE, TR5 STT220000A	5249	
10-20GB	HP, External Parallel Port TR5 C4447A :	5342	
12-24GB	Sony, SCSI, 4mm DAT SDT9000	\$675	
12-24GB	Seagate, SCSI, 4mm DAT, STD224000N	\$677	
15-30GB	Onstream, IDE, ADR, DI30	\$279	
15-30GB	Onstream, SCSI, ADR, SC30	5465	
20-40GB	Sony, SCSI, 4mm DAT, SDT10000 \$	899	
20-40GB	Quantum DLT4000 \$	1337	
25-50GB	Onstream, SCSI, ADR, SC50	\$630	
40-80GB	Quantum DLT8000 \$:	3899	

Removable Media 100MB Zip IDE \$65 SCSI or Parallel \$95 Iomega 250MB Zip w/ 1 disk External SCSI \$145 2GB Jaz Internal SCSI \$305 External SCSI \$315 2.2GB Orb Int IDE \$179 Ext SCSI \$195 Ext USB \$239 Media 250MB ZIP \$19 2GB Jaz \$86 2,2GB Orb \$37

Offer code 0800CS

# WWW.ThorTGK.com 800-400-3499

# PRINTERS

	EFOUN	
Stylus color 740	1440 x 720 dpi, 6ppm C257001	\$149
	1440 x 720 dpi, 12ppm C265001	5339
	ewlett Packard	
	600 dpi, 11 ppm, 4MB	5290
	600 dpi, 12 ppm, 4MB	\$379
	600 dpi, 11 ppm, 8MB	5479
	1200 doi, 17 porn, 8mb, 2 trays	\$1099
	1200dpi, 17 ppm, 16mb, 2 trays	\$1459
	1200 dpi, 16 ppm, 4mb, 2 trays	\$1489
	600 dpi, 8ppm, print-copy-sca	an\$459
	dpi, 9ppm, print-fax-copy-scan	
	LEXMARK	
	2400 dpi, 15ppm 14V0000	\$169
	1200 dpi. 15ppm	\$899
Optra T612	1200 dpi, 20 ppm, 8mb	5999
	EXTRONIX	****
	1200 dpi, 16ppm, 32mb	\$3399
	1200 dpi, 16ppm, 64mb	\$2099
The party		A STATE OF THE PARTY OF THE PAR

# ACP VIDEO CARDS

HAL VIDEO CHUD	3
3Dfx VooDoo3 3000 16MB w/ TV Out	\$125
3Dfx VooDoo3 3500 16MB 2D/3D w/ TV Out	\$175
3Dfx VooDoo5 5500 64MB	\$299
ATI Xpert 2000 32MB 2D/3D, DVD	\$98
ATI Xpert 2000 Pro 32MB	\$105
ATI Rage Fury Maxx 64MB	\$175
ATI Rage Fury Pro 32MB	5119
ATI All In Wonder Pro 32MB	\$259
Gladiac 32MB Nvidia	\$349
Asus V6800 Deluxe GeForce DDR 32MB	5319
Asus V6800 Pure GeForce DDR 32MB	5279
Elsa Erazor XII 32MB DDR	\$265
Elsa Erazor X w/ Juno Software	\$165
Elsa Erazor XII 32MB DDR w/ Juno Software	\$259
Diamond Stealth III S540, 32MB	\$95
Diamond Viper II Z200 32MB \$139	9/5169
Matrox Millennium MAX Dual Head, 32MB Call for available PCI cards and Video Capt	

# MONITORS

SA	LE 19	" Short Neck	
KDS VS19SN	1600	x 120025dp	5339
CTX VL950SL	1600	X 120025	\$375
ADI G66	1920	x 144026	5379
ViewSonic 446XS	1280	x 102425	\$549
NEC E950		X 120025	\$579
<b>CRT MONITOR</b>	S		
ThorTek 17	17"	1280 x 102428dp	5189
ThorTek 19	19"	1600 x 120028	\$309
ThorTek 21	21"	1600 x 120023	5709
MAG 570FD	15"	1280 x 102425	5185
Viewsonic M70	17"	1280 x 102427	\$269
Viewsonic M70B	17"	1280 x 102421	\$285
KDS VS-7E	17"	1280 x 102428	\$209
Optiquest Q71	17"	1280 x 102427	\$219
Samsung 750S		1280 x 102427	\$199
CTX VL950S	19"	1600 x 120025	\$389
KDS VS195E		1600 x 120026	\$339
MAG 810FD	19"	1920 x 144024	\$495
Optiquest Q95	19"	1600 x 128023	\$359
Viewsonic E790B	19"	1600 x 128026	\$399
MAG 800V	19"	1600 x 120026	\$395
MAG XJ910	21"	1600 x 120026	\$809
Viewsonic PF815	22"	1920 x 144025	\$899

# MODEMS

3COM/US Robo	tics	
56K V.90 ISA Voice/Data/Fax	5056651001	\$45
56K V.90 PCI Voice/Data/Fax	5056551001	\$45
56K V.90 PCI Windows	005699-00	\$49
56K Ext V.90 Data/Fax	005686-03	\$125
56K V.90 ISA Data/Fax	002805-00	\$225
DIAMOND		
Supramay 566 V 90 PCI W/FAY	90500030	539

# BLACK COMPONENTS

Teac 1.44mb Floppy	\$25
Sony 1.44mb Floppy	\$25
LS120 120mb Removable Media Drive	\$99
lomega 100MB Zip IDE	\$109
Teac 40x IDE Internal CD-ROM	\$76
Toshiba 48x IDE Internal CD-ROM	585
Plextor 40x SCSI Internal CD-ROM	\$119
Asus DVD 8x/40x Internal IDE	\$145
Afreey DVD 10x/40x Internal IDE w/sft	\$165
Pioneer DVD 16x/44x Internal IDE	\$179
Thortek 4x4x24 CD-RW w/Adaptec sft	\$199
HP 9300i 10x4x32 CD ReWritable	\$299
Plextor 12x4x32 CD ReWritable	\$359
Addonics Pocket CD 24x USB CD rom	\$169
Netsurf pro 900mhz WIRELESS Keyboard	\$89
Antec Win98 104 Keyboard	\$25
Keytronic Tagalong Keyboard & Mouse	\$25
Microspeed Liberator WIRELESS Keyboard	\$159
Gemini 2-button Mouse	59
Pro Point 3-button Mouse	\$15
Altec Lansing ATP3 3pc Speaker System	\$85
Creative Labs DTT2500 Speaker System	5259
Sonigistix Monsoon MM1000 Flat Panel Spea	ker\$185
Creative Labs 4 Point Speaker System fps2i	000 \$179
SF860BLK Mid ATX case COOL Hydraulic face	\$109
Antek ATX 7 bay desktop case	\$90
Explorer III Mid ATX computer case	\$120
Thortek SuperMini Tower case 300watt	\$120
Mini Cube computer case with 300watt	\$210

# **SCANNERS**

		UMAX			
600 x 1200dp	i 36bit	Parallel	Astra	2000P	\$90
600 x 1200dp	i 36bit	USB	Astra	2000U	5125
600 x 1200dp	i 36bit	USB	Astra	2100U	5109
600 x 1200dp	i 36bit	SCSI/USB	Astra	2200SU	\$195
600 X 2400dp	i 36bit	SCSI	Astra	24005	5309
600 x 1200dp	i 42bit	USB	Astra	3400	\$105
1200x2400dp	i 42bit	USB	Astra	4000U	\$349
1200X2400dpi	42bit	SCSI/FireWi	re Power	rlook 1100	\$1049
800x1600dpi	12"x17	" SCSI	PowerLo	xxk 2100xL	\$1559
1200x2400dp	42bit	SCSI	Power	Look III	\$629
	M	ICROT	EK		
600 x 1200dp	i 36bit	USB	StimSc	an 6	\$79
600 x 1200dp	i 42bit	USB	ScanW	laker 360	00 \$89

600 x 1	200dpi	36bit	USB	StimScan 6 S	79
600 x 1	200dpi	42bit	USB	ScanMaker 3600 S	89
600 x 1	200dpi	36bit	Parallel	ScanMaker X6 S	99
600 x 1	200dpi	36bit	Par/USB	ScanMaker V6UPL \$1	29
600 x 1	200dpf	36bit	SCSI	Scanmaker X6ELS1	45
600 x 1	200dpi	36bit	SCSI/USB	ScanMaker V6USL 51	79
1200x2	400dpi	42bit	SCSI/USB	ScanMaker X12USL \$3	39
600 x 1	200dpi	36bit	SCSI	ScanMaker 4Dual S5	75

# SOUND CARDS

# CREATIVE LABS Sound Blaster Ensoniq 50E3711000

5047401001	\$49
5047601000	\$89
5047601004	\$95
5046201000	\$179
5047601003	\$179
ND	
	\$53/\$72
	\$29/\$39
each	
	\$29/\$35
tail	\$41/\$62
TBS339501	\$69
TBS338501	\$125
	\$239
	5047601000 5047601004 5046201000 5047601003 ND each tail TBS339501

# www.harddrive.com

# \$545 BACK TO SCHOOL PC

Stylish design with full feature functionality. Slate Blue with Techno Silver front. 533Mhz TV Out

533Mhz TV Out 40x CD 56K Modem 32MB USB Speakers 1.4MB Floppy

ThorTek Sledgehammer Xtreme Gamer \$3879 • Our #1 Selling Gaming PC •

ALL BLACK! Intel 733MHz Pentium III , 256MB PC133
Memory, Quantum 18.2GB Ultra 3 SCSI HDD, 3Com 56K
PCI Modem, 19" Viewsonic 790B Monitor, 1.44MB
Floppy, Adaptec Ultra 3 SCSI Controller, 10X DVD/ 40X
CD ROM, Plextor 12x4x32 SCSI Rewritable CD,
Intellipoint Explorer Mouse, Internet Keyboard,
Leadtek AGP DDR 32mb Video card, Xitel A3D Sound
Card, Creative Labs FPS2000 Speaker System, 3Com
10/100 PCI NIC, Black Case 300W power, Win 98SE.

ThorTek Lightning Bolt 2000 \$1999
Pentium III - 667Mhz, 128MB PC 100 SDRAM, 8x4x32
CD ReWritable, 3.5" Floppy, ABIT Motherboard, 5 PCI, 2 ISA, 1 AGP, Quantum 20GB Hard Drive, 10X DVD ROM, 32MB Matrox Dualhead Max, Creative Labs Sound Blaster Live, 3 Com 56K PCI Fax Modem, 3Com Etherlink 10/100 PCI, 104 Internet Keyboard, PS/2 Scroll Mouse, Windows 2000, 17" Monitor, Creative Labs CSW 1500 Speaker System, 1000 Shareware Titles, 20 Pack CD-R media, Stomper Pro CD Label Kit.

# **MOTHERBOARDS**

Mfg	Part #	SLOT	PCI	ISA	
ABIT	BE6-II	1	5	2	5135
ABIT	VT6X4	11	5	2	5129
ASUS	P3V4X	1	6	1	\$109
FIC	KW15	1	5	1	\$109
S.MICRO	P3SCD	. 1	5	AMR	\$149
TYAN -	TRINTY 40	00 1	6	1	\$99
TYAN	51830	1	4	4	\$125
Slot	1 CPU Bur	ndled Pr	ice with	n Motherb	oard
600	0/667/700	/800Mhz	-5227/	239/309/	469

ABIT	KA7	A	6	1	\$155
ASUS	K7V	A	6	1	\$165
EPOX	EP7KXA	A	6		\$145
FIC	SD11	A	5	1	\$109
TYAN	52380	A	6	1	\$145

700/750/800/900Mhz-\$235/299/379/735						
ABIT	ZM6	5370	- 5	2	\$95	
ASUS	CUWE-RM	5370	3	AMR	\$135	
S.MICRO	370SEA	5370	6	1	\$135	
S.MICRO	370SWD	5370	3	AMR	\$115	
TYAN	51854	5370	4	4	CQ1	

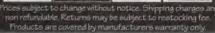
# **PROCESSORS**

	Slot	AM	D	Slot	
K7-1000	A	\$1359	K7-800	A	\$399
K7-950	Α	\$879	K7-750	A	5309
K7-900	A	\$745	K7-700	A	\$245
K7-850	A	\$519	K7-650	A	5199
		INT	EL FCGPA		
P3-866		\$675	P3-667		5249
P3-800		\$485	P3-650		5259
P3-750		\$449	P3-600		5239
P3-733		\$339	P3-550		5249
P3-700		\$325			
FCGPA to	Slot 1	converter 5	15 • Call fo	r older	CPUs

2800 A West Main League City, TX 77573 Monday - Friday 8am - 7pm Saturday 9am - 4pm CST

FAX (281) 557-1426 Local (281) 557-8336





Thor Tek Corp



O THERE WERE ALICE AND BILL, SITTING ON THE VERANDA OF THE Basement of Doom & Pepsi-Cola (which Bill had steadfastly refused to rename the Basement of Doom & Ba, ba-ba-ba-ba, ba), sipping a cold one, and pondering things in general. They were perched on the eve of their eighth anniversary, the beginning of their ninth year writing "The Hard Edge."

"Things have been great," said Alice. "Maybe they haven't been all that good lately, but over-

all they've been great for the past eight years."

"Yeah," poked back Bill during a respite from blowing bubbles through the straw in his glass of Ba, ba-ba-ba, ba. "So what do you want to do now?"

"We can do what we always do," said Alice. "Wait and see what happens."

"Ah! The Options pull-down menu," said Bill. "Sounds like a plan.

Their glasses touched lightly, and the universe continued in its usual chaotic fashion. On a planet some light-years distant, several years in the future, a biped preparing for sleep will hear a distant clink but ignore it. Some things never change.

# MS VS. DOJ, PART II

So the Department of Justice has officially recommended that Microsoft be broken up into (at this point) a stand-alone application company and a stand-alone operating-system company. Do you think maybe it was those cheesy "What's good for General Bill Gates is good for America" Microsoft commercials?

You already know our position on the issue (hey, you read last month's column, right?), but just what is it the opposing parties are saying? We thought you'd ask, so here it is:

"This is the right remedy at the right time. Our proposal will stimulate competition, promote innovation, and give consumers new and better choices in the marketplace." - Janet Reno, U.S. attorney general

The day the Department of Justice (which popularized the slogan "Don't get up, we'll break down the door") or any department of the government has even

the remotest inkling of what

benefits consumers is

a day that will last for a half-second at best. The government. That's that consortium of self-propagating agencies that thinks repealing a 4-cent-per-gallon gas tax would have little effect on consumers but waxes poetic about the wonderful change when gas prices drop 4 cents after oil production is increased. We could go on with the examples, but that seems to say it all.

"These regulations are out of touch with consumers and are completely out of proportion to the issues in the case. The net effect of these remedies is that they run against what consumers want: products that are easy to use, work well together, and are innovative and affordable."-Bill Gates, Microsoft chairman

Did we miss something? Microsoft products that work well together? What has Mr. Gates been doing (running Linux, perhaps?) that he hasn't noticed the wonderful Windows blue screen-without the clouds? This is the assertion from a company that, when it transitioned from Windows 3.x to Windows 95, promised no one would ever be bothered by a General Protection Fault error again. And it kept that promiseapparently by changing the name of the error message to Fatal Exception Error.

It will take years to resolve this case. We, your humble providers of juris-freeprudence, have decided to give the courts a clue without the customary dollar fee. Here it is: If you break up the company, Gates gets wealthier and so does anyone who owns his company's stock. Why? Because suddenly they get stock (or stock value) in two companies! That's certainly punishment in our book.

Instead, why not prohibit Microsoft from making its OS dependent on its applications, which was the excuse the company

> used all along for not being able to remove Internet Explorer. In a traditional OS environment, applications address elements of the OS to perform their functions, not the other way around. Is it so wrong to be traditional? We think not.

# ONE-CLICK LIVING

While the investment community continues to skewer and roast technology stocks in an overblown, lemminglike fashion, Alice thought it might be time to take what the

virtual world has given us and find some way to incorporate it back into the analog world of bricks and mortar. Does this mean she's giving up on e-commerce? Not at all. But with the "e" in e-commerce sounding more like "eeek," it's a good time to take stock of things and figure out what we've gathered along this crazy road to a new economy.

Alice's takeaway for the real world: "It's all about the click."

Case in point: Amazon.com revolutionized shopping with its deceptively simple but very patented 1-Click ordering system. One-click is like crack to online shoppers. You can click on the one-click button and never interrupt your browsing, and nothing ensures a massive impulse purchase more than not having to review the contents of

ALICE & BILL



your shopping cart as you prepare to check out. With Amazon, you just click and forget about it-until you get the e-mail confirming you clicked on 17 items. Whoops! How did that happen?

Alice became so obsessed with the genius of one-click, she started wondering how it could be built into the "real" world, which has taken decades to add ATM capability to retail checkout lines. In fact, Alice now considers the retail world the most glacier-like of industries, ahead of her perennial favorite the phone company, with its patented 20-year move toward new technologies. (Hello? Remember ISDN, faster dial-up access, etc., etc.?)

Her search for the real-world one-click started where she always starts when the phone company lets her down-the cable industry. And sure enough, the crudest oneclick beginnings were just starting to surface. Alice has digital cable, which is a wonderful and amazing Mondo Cool thing in itself. What digital cable offers in the way of one-

click is a simple means of ordering pay-per-view movies. Alice had never ordered a pay-per-view movie before digital cable because she never wanted to use the telephone to order something embarrassing like Titanic. With the blue OK button on her new digitalcable remote control, she simply presses the button, presses it again to confirm, and boom, the movie is ordered and ready to go with

nary a phone in sight. (Alice's cable provider does require access to a dial-up line, but it's so invisible to the process, she doesn't even

The next glimmer of one-click came from a Mobil gas commercial. The ad showed a woman pulling up to the pump and "unlocking" it with a small barrel-shaped key. Just a simple flick of her wrist, and she was filling her tank without having to enter an ATM password or insert a credit card.

But "The Hard Edge" is not just about finding tiny glimpses of things to come, it's about making major suggestions that may one day reach the person in charge and result in the development of even better products. Cases in point: Alice and Bill's dismissal of OS/2, native signal processing, and so many others.

Imagine Alice's cable remote and its simple OK button unlocking home shopping. Why does Alice have to call a number to order Bill her eight-year anniversary gift of industrial stain removers with space-age

polymers (according to the infomercial)? Why can't she point her remote at the ad, click OK, and have it arrive at Bill's door? This was the promise of interactive TV, only it got too complicated with e-mail capabilities and custom user interfaces. The simplicity of the click-the OK or whatever you want to call it-is you don't have to do anything else. Alice would even call the cable company, register her credit card and shipping address ahead of time-hell, they already have it-and let the OK run wild.

There's a lot of work to be done, but the key is in the click. No more do-it-all interface design. No more crazy hardware. Just add in the click, and they will follow.

# SOFT-THIS

Remember a few months ago we mentioned the primary feature of a WinModem was its ability to suck resources out of your PC? Well, we got a note from a reader named Doug about a press release from Motorola. Thanks, Doug.

The average American family lives about 8,000 feet from its local phone company's switching station. At that distance, DSL runs at ISDN speed.

> Guess what? Motorola has released a DSL WinModem, demonstrating its SoftDSL technology at WinHEC. According to the press release, "The move comes as PC prices continue to fall and users demand more speed, portability, and compatibility with operating systems including Windows and Linux."

We'd like to react with some words stronger than HEC, but good taste prevents it. Instead, we'll ask the obvious question: Is Motorola crazy? We understand the falling prices bit. Let's keep PCs cheap by making cheap, er, inexpensive components for them. But let's forget the physical price of the component for a moment. For once, let's consider the actual performance cost of sticking a soft DSL modem in the box. All right, enough of that. It's too horrible a thought to bear.

The reality is it's marketing. The plan would allow vendors to advertise DSL computer systems at attractively low prices. You save a few dollars on the modem, but you

lose more muscle from your microprocessor than the deal is worth.

And just what is it about DSL that has sparked the imagination of the multitudes? It's faster than fast, right? Well, no, it's not-unless you live within 5,000 feet (that's less than a mile) of your local phone company's switching station. Unfortunately, according to the folk who keep such records, the average American family lives about 8,000 feet from its local phone company's switching station. At that distance, DSL runs at ISDN speed.

# MONDO COOL

This year, at the New York Auto Show, Ford showed a concept SUV that surfedthe Web. This particular bloat on wheels had a built-in wireless connection and a display panel integrated into the dashboard. The occupants of such a vehicle, should it be put into production, could receive their e-mail while playing bumper cars down urban superhighways.

You got this picture? At a time when people are calling for a ban on cell phones because they detract from the driving experience when you talk on them, they want to put a display in the dashboard so people can read! Isn't there supposed to be some other place for your eyes when you're driving? Something you should be doing other than reading that note from the boss? Isn't there some other focus you should have when barreling down the highway in a 4,000-pound. death-delivering steel juggernaut?

So what makes this Mondo Cool? Darwinism. Think about it.

# HAPPY HAPPY TO US

Every year Alice and Bill mark the anniversary of "The Hard Edge" by borrowing from an old Soupy Sales gag and asking their loyal readers to mail in cash as a way of saying thanks for another fine year. Sharp "Hard Edge" readers have traditionally responded by scanning in pictures of cash and even drawing their own currency. So why break with tradition? Drop eight bills to Bill (and Alice) and show them you care! (The editors promise to forward it all.)

"The Hard Edge" Computer Shopper 28 E. 28th St., 10th Fl. New York, NY 10016-7922 hardedge@zdnet.com





C6204NLX

RATED \*\*\* By PC Computing, Top 100 Direct Dealers

Supplying government agencies, schools and hospitals for over 15 years

PC PORTABLE KIT & SYSTEM

Our Motherboard + CPU Kits!

SUPER

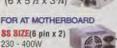
MSI SOYO

# Hard Drive

Western IBM Quantum Fujirsu Maxtor

# **POWER SUPPLIES**

FOR ATX MOTHERBOARD ATX SIZE(20 pin x 1) 230 - 400W (6 x 51/2 x 33/a)



(6 x 51/2 x 33/6) FOR AT MOTHERBOARD

ATT SIZE 230 - 600W (83/a x 6 x 57/a)

FOR AT MOTHERBOARD

230 - 600W (83/4 × 6 × 57/4)



DC to DC ATX 12V, 24V, 48V, input. 250W-300W, \$130 - 195

Jinco PowerSupply

ATX 2.03 Compliant

- CE, FCC, UL, CSA, TUV Approved - Maximum 3,200rpm - Maximum 42,20FM (Air Flow) - 36,5dBA (Noise Level) - ISO-9002

o control w/ ballbearing fan 8- AMD-K7 Approved



C6207LPX





# SUPER SLIMLINE WORKSTATION (For New Century)

C2001PC

C978NLX

	- 1		9		C7	
Model	BareBone Price		5.25° Ext./Int.	3.5" Ext./Int.	Slot PCI / ISA	Motherboard I/O PORTS
6204NLX	\$495 w/CD, FD	11.2x13.6x3.35			2PGI or 1PGI 1ISA	PS2 Kb8Ms,Speaker/LineIn/Mic, Joystick/Midl, 1P.2S, VGA, USB, RJ45LAN, Audio / PS
C2001PC	\$268	15.4x16.3x3.45	1/0	1/1	2PCI or 1PCI 1SA	Sound = Audio in/out = Video in/out + Mic (Upg to AMD K6-2 450MHZ) / PS
C978NLX	\$375	11X13.6X3.35	1Slim CD	1/1	1PCI 1ISA or 2PCI	2S, 1P. Pioppy, USB, RJ-45, PS/2 Mouse, PS/2 Keyboard, VGA, Audio, Game, IR / PS
C6207LPX C7000LPX	\$260 Socket 370	12.4X14.5X3.4	1/0	1/1	2PCI or 1PCI 1ISA	PS2 Ko&Ms, Speeken LineIn/Mic, Joystick/Mid., 1P2S, VGA, USB, RJ45LAN, Audio / PS
C5203LPX	\$310 Socket 7	12.4X14.5X3.4	1/0	1/1	2PCI	PS2 Kb&Ms,SpeakerLinein, 1P2S, VGA, USB, RJ45LAN, Audio / PS

# Order @ WWW nco.com

# RATED "TOP SERVICE" BY YAHOO! SHOPPING







Model	Price	Model	Price	Model	Price	Madel	Price	Model	Price	Model	Price	Model	Price
P1		P2		280ATX	\$105	102ATX	\$75	P3		109ATXA	\$146	887ATX	\$480
001P/W	\$74/116	616N2ATX		280BATX	\$110	6ATX	\$85	124ATX	\$122	109RATXA	\$416	887RATX	\$840
002P/W	\$85/130	516N3ATX		97ATX	\$105	679ATX	\$68 \$115	556ATX	\$99			1620RATX	\$985
004P/W	\$105/157	613GEATX		980ATX	\$109	218ATX	\$115	178ATX	\$98 \$163	P4	5111	021ATX	\$250
007P/W 008P/W	\$180/238 \$278/348	613G5ATX 608ATX	\$89 \$75	112ATX	\$115	77ATX	\$85	750ATX	5163	922ATX	\$235	9871ATX	\$485
DOBRMW	\$365/433	940ATX	579	968ATX 268ATX	\$89 \$67	707ATX 331ATX	\$85 \$69	ZATX 38ATX	\$89	970ATX 885ATX	\$244 \$226	9671RATX	\$755
009PW	\$305/400	787ATX	\$55	60ATX	\$89	SATX	\$95	950ATX	\$78 \$208	885RATX	\$595	9891ATX 9891RATX	\$330
018PW	\$610/800	379ATX	\$87	1ATX	\$62	860BATX	\$85	109ATX	\$156	217ATX	\$562	1400RATX	\$985
650A	\$74	602ATX	\$75	709ATX	\$85	735ATX	\$74	109RATX	\$426	217RATX	\$1020	201ATX	\$300
B8A	\$110	500ATX	591	524ATX	\$96	BOZATX	\$83	912ATX	\$280	2454ATX	\$247	201RATX	\$505
					700		227	912RATX	\$510	2000RATX	\$295	- ANTIFERE	2000

# Jinco Computers

EVER HAN CORP

5122 Walnut Grove Avenue M-F 8:00 - 5:30 • Sat 9:00 - 2:00 PST San Gabriel, CA 91776

Info & Tech Tel: 626-309-1108 Support Fax: 626-309-1107

We accept (20)

ORDER LINE 800-253-253

For More Detail, New Products and Promotion Case See: http://www.jinco.com • e-mail: jinco@pacbell.net



# A LITTLE TASTE OF OUR COMPUTER PRODUCTS AT ROCK BOTTOM PRICES

FOR A FULL LINE OF HDDS, MOTHERBOARDS AND MEMORY, Visit www.computergate.com

# FREE SHIPPING FOR ALL SYSTEMS\*

## AMD K7 Athlon System 950 MHz------\$1395.95 AMD K7-ATHLON SUPERIOR PERFORMANCE SYSTEM

- Asus K7V SLOT-A MB For AMD ATHLON (K7) Processor, ATX
- \*Medium Tower ATX Case w/ 250W PS
- \*AMD ATHLON 550MHZ CPU
- \*64MB PC-100 SDRAM MEMORY
- \*Maxtor 10,2GB 7200RPM ATA/66 HDD
- \*Windows 98
- \*RIVA TNT 32MB AGP VGA Card
- \*DELTA 48X IDE CD-ROM DRIVE
- \*CREATIVE Ensoniq PCI Sound Card \*Mitsumi Win95 104 Keyboard (PS/2)
- \*400 dpi PS/2 Mouse

RAMBUS DRAM

- \*1.44 MB Mitsumi Floppy
- \*1 Year Depot Warranty, Support and
- Service Policy \*Check our web site for free shipping.

PC100/133 MEMORY

PC-100 128MB,#ISR128P--- \$Web Site

PC-100 64MB,#ISR64P---- SWeb Site

PC-133 128MB,#ISR128P3- \$Web Site

PC-133 64MB,#ISR64P3--- \$Web Site

SWeb Site

# **Special Promotion!**

Apache RIVA TNT2 32MB 4 x AGP VGA Card......Only \$59.95/2+ \*Lucent 56Kbps V.90 Win Modem, PCI, Retail Box ......Only \$17.95/2+ \*48X IDE CD-ROM W/ 1,44MB FDD, Great Deal.....Only \$41,95/20+ «Crystal ISA Sound Card, Hard To Find......Only \$11.95/3+ \*74-min CD-R Media, with CD Jewel Case......Only \$0.67/20+ «Mitsumi 1.44 FDD Drive......Only \$10.49/20+

We have weekly special promotion on our web site! Check it now!

# More Savings At

# www.computergate.com

SECURE ONLINE SHOPPING, 3000+ PRODUCTS, DETAIL PRODUCT INFORMATION, EASY ORDERING, PRICE UPDATE DAILY, AND AGGRESSIVE PRICES!

Zip/LS-120/100MB

# Panasonie Zip Drive Only \$44,95/4+ 250MB internal #GZDI250---- \$94.-100MB Int.SCSI #GZS100---- \$77.-LS-120 Int,IDE #GFDPLS120- \$59 .-1.44MB FDD #GFDM144F--\$11.-

# CD/DVD/CD-RW

	PIONEER 10X DVD	Only\$149.98
2	8X EIDE CD-ROM-	\$30
1	2X EIDE CD-ROM	\$34
3	Afreey 10X DVD-RON	VI \$124,-
1	anasonic 8x4x32CD-	RW \$189
1	SONY 8x4x32CD-RW	\$236

# Intel Celerom System 533 MHz-----\$599.95 INTEL CELERON/PENTIUM III SYSTEM FOR HOME/SMALL BUSINESS

FIC KW-15 1810E AIX MB. UDMA66, with Audio

\*Medium Tower ATX Case w/ 250W PS Intel 533MHz Celeron-PPGA CPU \*32MB PC-100 SDRAM MEMORY \*Samsung 4.3GB ATA/66 HDD,5400RPM,

512K,9.5MS

\*Windows 98 \*SIS 6326 AGP 2X 4MB VGA Card DELTA 48X IDE CD-ROM DRIVE

\*Mitsumi Win95 104 Keyboard (PS/2) \*400dpi PS/2 Mouse

\*1.44 MB Mitsumi Floppy

\*1 Year Depot Warranty, Support and Service Policy

\*Check our web site for free shipping,

# 200+ of HDD's on WEB

Connec 4.3GB 540	00RPM 9.5m	S
ATA66	#GHDC4-	- S64
Western Digital, 10G	#GHDW10 -	- \$89,-
Samsung 8GB, ATA66	#GHDA84-	-\$79
Fujitsu 10GB, ATA6	6 #GHDF10-	-\$84
WE HAVE WEEKL	Y SPECIAL O	N WEB!

# MOTHERBOARDS



# 2GB ASUS P3V4X Memory

	Only \$104.95
	P5A-B5AP5A\$84,-
	P5AB-B5AP5AB\$82
	P3BF(5PCI)-B7AP3BFA \$122,-
	K7M-B7AK7M \$144
	K7V-B7AK7VS152.95
ı	K7VA-B7AK7VA\$159.95

## AOPEN FREE BONUS CD PACK AK72

Only 138.95
AX64- B7PAX64\$96
AX59PRO-B5PAX59P1\$73
AK72-B7PAK72\$136.
MX59PRO-B7PMX59P2\$79,-



# ATA/ ABIT KA7-100

	Only \$105. <u>95</u>	100
١	BE62-B7BBE62	\$122
	VA6-B7BVA6	\$74
I	VT6-B7BVT6	\$94.95
	KA7-B7BKA7	\$142
	BF6-B7BBF6	\$104
1		

# MSI 6163BX D-LED

Master	
Only \$119.95	
6163P-B7M6163P	\$94
6153VA-B7M6153V	\$75
6301-B7M6301	\$128.
6309-B7MK7PRO	\$92
K7PRO-B7MK7PRO	\$125

# K7 1GHz

	Only \$129.95	
	S1598-B5YS1598	\$87
	S1590-B5YS1590S	\$84
	S1830-B7YS1830S	\$104
	S1832-B7YS1832DL	
	S1846-B7YS1846S	
ı	S2056-B7YS2056	\$110

# Supermicro

	1840
P3DM6 SCALL	1040
P6SBA-B7SP6SBA	\$92
P6DBE-B7SP6DBE	S164
P6DBS-B7SP6DBS	\$345.
P6DGU-B7SP6DGU	
P3SCD-B7SP3SCD	\$139.

# FIC

VA-503+

Supports

K6-2 550MHz



## Gigabyte Dual BX-2000+ BIOS

и	Only 5114,22
ı	GA-5AA-B5GA5AA\$66
ı	GA-5AXR5-B5GA5AX\$67
l	GA-6VX-4X-B7GA6VX4X\$91
ľ	GA-6BXC-B7GA6BXC\$81
ı	GA-7IX-B7GA7IXE\$119.
п	AND DESCRIPTION OF THE PROPERTY OF THE PROPERT



# PUTERGATE INTERNA

Order Toll Free: (888) 437-0895 FAX: (408)730-0735 2960 Gordon Avenue, Santa Clara CA 95051 Mon–Fri 6:00am to 6:00pm Saturday 8:00am to 2:00pm (PST)

# WE CARRY FULL LINE OF ACCESSORY & HARD TO FIND PRODUCTS

WE HAVE QUANTITY BREAK SAVINGS ON WEB SITE, VISIT www.computergate.com

# CD Storage

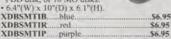
## EVA and PVC Material CD Wallet for 24, 56, 80 & 280 CD's

All EVA CD wallet are made out of weather proof material with compressed

padding, reinforced edge bonding, and round corner that shows an elegent and classy style in a solid finish. It keeps CD's clean and free from dust.

 EVA material, black color. XDBCF28B ......28 pes capacity. XDBCE56B... ....56 pes capacity..... 510.95 · PVC material, black color. XDBCP28B......24 pcs capacity... XDBCP80B......80 pcs capacity..... 59.95

XDBCP208B ......208 pcs capacity 519.95 Colorful Multimedia Dome Stores CD's with colorful style.
Built with keylock for security.
Stores 30 CD's, 15 pes of 3.5"
FDD disk, or 10 MO disks.
6.4"(W) x 10"(D) x 6.1"(H).



# POP-UP CD

Portable case

Stores 10 CD's with Built with spring push

botton. Space available to store

CD manual. · Protects from dust and on 5.6"(W) x 6.9"(D) x 0.16"(H). XDBSWB.... XDBSWR. red color purple color. XDBSWO.

HIGH-TECH CD CASE

CD JEWEL BOX ect your losse CD ROMs with these damble plastic cases \*\*Per Pack CDJEWEL CD Jewel Box

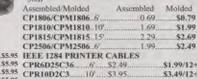
Compatible with all standard enddy CD 

\*CD Wallet available on Web\*



## PRINTER CABLE

· Bi-directional Support · DB25 male to centronics 36M



# 55.95 RS232 CABLE

All with 25 wires straight thru & fully shielded. · DB25MM (male to male) can be used from PC to serial device

25', 50' and 100' AVAILABLE



# MOLDED MODEM CARLES

DB9 Female to DB25 Male CDM0925FM3.....3'.....\$1.49 CDM0925FM6....6'...\$1.99

3D Pn'P SOUND CARD

Plug n' Play, Win95 support and 3D Sound and 3D joystick support

 Supports Full Duplex Internet Phone · Wavetable upgradable MSCUTI6 ISA MSCA724 PCI



\$13.95

# MULTIMEDIA

# 60W Hi-Fi SPEAKERS

· PMPO 60 watts; 2-channel stereo amplifier

Measures: 2" x 3"

. Includes volume, control, AC adapter MSPE691 ...... \$6.95 .... \$5,19/2+

## **Dynamic Headphones**

Feather light comfort plus real durability with brilliant full stereo sound

\* Frequency range: 20 - 18000 Hz. \$3,49/12+ + 3.5 mm stereo jack. Length of cord: 4'. MHPF002.

# DELUXE HI-FI HEADPHONES

40 mm super thin diaphragm
 Gold Plated Plugs, 9' long cord

+ Sensitivity; 102 dB, Freq. 20-20,000 Hz HP924

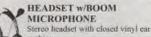


\$1.2

HP924

\$14.90

5199



MSPM7602 Deluxe \$ 19.95

## CONDENSER MICROPHONE

MMP2GX

\*This microphone has a 3,5mm This microphone assesser ange stereo jack. Operating range

# CLIP-ON MICROPHONE

Creates a hands-free environment. Clip-on Microphone. MSPM9108

\$3.95

# COOLING KITS

# HARD DRIVE COOLER

 The Fast Cooler features dual cooling faus to dissipate HDD heat. · Extend your valuable HDD life and reliability.

· A must have for high speed IDE / SCSI, hard drives.

BCFL5992	fians	\$6.95	55,95/3+
BCFL6993			

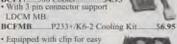
## CPU COOLING Kit

· For Pentium 75+, Ball Bearing BCF17\_\_586 Cooler\_\_\_\_\$4.95 • With 3 pin connector support

LDCM MB

· Equipped with clip for easy installation, ball bearing. (K7 Cooler).

BCFK72..... 



BUY 34

He

COOLING FAN with POWER DAPTER

 Second case fan for computer. Includes power adapter; 3.15" x 3.15" x 1"

BCFH01......Sleeve Fan. \$3.75 Ball Bearing Fan, 3.15"x3.15"x1" BCFH08B......8x8cm.......4.95..... .\$3,99/5-

· Ball Bearing Fan w/ 3 pin connector for LDCM Motherboard, Auto restart and circuit build-in. BCF8MB......8x8cm... 4x4 cm, 5x5 cm, 6x6 cm Case fans are available on web site!

# POWER SUPPLY FANS

For AT power supplies

PEANA 5.05 35 49/4+

 For PS/2 or XT power supplies
 Measures: 3,15" x 3,15" x 1" x 3.15" x 1" 4,95 S4.45/4+ Measures: 3.65"

# INPUT DEVICES

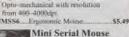
300 dpi Removable Trackballs

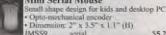
Adjustable slide switch. Keylock switch for the drag latching option. JTB83 Serial 1-blue color. Check our web site for picture.



# **ERGONOMIC 3-BUTTON** SERIAL MOUSE

Ergenomic design for easy handle
 Opto-mechanical with resolution





\$13,00 PREMIUM MOUSE PACKAGE



## OU107....PS/2 mouse ....\$3.95 Internet Scrolling Mouse

Easy navigation on the internet.
 On-line zoom in/zoom out.
 100% compatible with Microsoft.

IntelliMouse mode Auto Scroll function

JMSAWU USB \$5.25 JMSAPI PSQ \$5.25

Ergonomic Design 3-Button Serial & USB Mouse

DOS, Windows and OS/2 compatible. For PC with DB9F connector, opto-mechanical and •1 1/4" x 1" x 9 1/2"

resolution from 400 dpi. JMSSUSB USB. . \$5.49 JMSS6 .54.95/12+ Serial ... .\$5.49.

# POWER PROTECTION

POWER STRIPS with SURGE PROTECTOR Durable plastic, Built-in
 Accordance

line protection CG26P1...6 outlets, plastic, 4' cord..... 7 outlets, plastic, EMI,

#V000000 Vertical socket, 3MOV Protection

CG27P1.....7 outlets, 6' Power Cord, EMI...\$7.95 EMI noise filter. 

•Metal, 1 MOV, Built-in circuit breaker, metal CG26M .....6 outlet....

Modem/phone jack, 3 x2 outlet, metal EMI/RFI, 3MOV line

protection CG26D ......6' Power Cord... 

6 Outlet Plastic Power Strip with 3' Cord and Surge protection

125 Volts/15 Amp push-to-reset circuit breaker for over load protection. Ivory

· 6 heavy duty grounded outlets. · Lighted On/Off switch

. Line protection: 1 MOV.

. Power rating: 70 Joules.

\$4.95/5+ EPS06Z...... \$2.49.



\$1.99/24+

# Internet 8 Outlet Colored Power Strip with Transformer Space, 2 RJ45, 2 RJ11, RJ12, & 6' Protect your computer and modern from power surges and spike damage. Extra outlet for transformer. Line protection: 11 MOV; EMI. Power rating: 270 Joules, 125 Volts/15 Amp push-to-reset circuit breaker for over load protection. I Vory color. Lighted On/Off switch and circuit breaker. Comes with color label that allows you identify devices.

devices.
• 3 1/2" x 1 1/4" x 10 1/4".
EPS621C

POWER STRIP ALL UL APPROVED 2x3 POWER

STRIP with MODEM PROTECTION Surge Indicator Light, Durable ABS Plastic
 Circuit Breaker, EMI, 3 MOV, 6' Cord

CG26B.....2x3 Strip..... 7 OUTLET POWER STRIP with

TRANSFORMER SPACE Extra Outlet for Transformer, Power Surge Indicator, Circuit Breaker, EMI, 1 MOV, 4' Cord CG237P.....with Transformer......

# POWER CONSOLE

· Circuit breaker, with reset button

· Modem protection (PP06D)

 Full 3 line surge protection (3 m.o.v's) (PP06D)
 Noise filter (EMI/RFI) (PP06D) PP06U

Basic Power Center 11.95 with Modern Protection 15.95



Internet http://WWW.COMPUTERGATE.COM\_E\_MAIL: cgate@computergate.com

n notice. Can't Find The Product? Please Check Our Web Since 1991 Order Toll Free: (888) 437-0895 FAX: (408)730-0735 2960 Gordon Avenue, Santa Clara CA 95051 Mon-Fri 6:00am to 6:00pm Saturday 8:00am to 2:00pm (PST)

\$2,99/12+

# YOUR COMPUTER ACCESSORY SUPER STORE SINCE 1991

# **Excellent Rating**

# Secure E-Shopping, www.computergate.com

# **Best Deal**

PCI to USB

· Add USB ports to system

detected by Windows 98.

...\$22.95...

Enhanced Printer Port Cards

EPP/ECP/SPP mode. Ten times faster than the

\*1 EPP Port w/ DB25F, 5 IRQs available,ISA

9 Outlet Colored Power Strip with

Transformer Space, & 6' Cord

Protect your computer and modem

from power surges and spike

· Line protection: I MOV; EMI.

Clamping voltage: 400V.
 125 Volts/15 Amp push-to-reset

circuit breaker for overload.

Comes with color labels that

you to identify devices easily.

3 1/2" x 1 1/4" x 10 1/4".

Lighted On/Off switch and

1 EPP/ECP Port w/ DB25F, PCI, PnP

and supports up to 127

devices, PnP, and Auto

Adapter

AUSPCI ....

AIOEPP.

damage.

allows.

EPS63C

circuit breaker.

usual printer ports!

## **HDD Super Cooler** with LCD display

Protects CPU and HDD against overheating simply by attaching sensor to any of

them. · Temperature and time display,

audible overheat alarm · Built-in ventilation fans. Easy installation \$77.95 XTPE2C S19.95/3+

·Built-in backlight XTPE2CE. \$24,95/34





Metal Desktop Keyboard Drawer

. Stores keyboard under the CPU case or monitor. An easy way to save more workspace.

. Smooth ball bearing rollers with spring lock monitor. . Sturdy steel case holds

up to 21" monitor and KOMT desktop. + 20 1/4"(W) x 9 1/2"(D) x 2 1/4"(H).

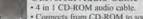
KDMT ... \$14,7/3 \$15.0

Best Buy PS/2 Win 98 Keyboard

+ PS/2 interface. Soft-touch. silent, and tactile

\* Enhanced 104 keys layout + Highly reliable membrane contact technology

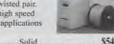
...Special Price.....\$4.99 KS260 Universal Audio Cable



 Connects from CD-ROM to sound card.
 ERCDROM....\$1.99.....\$1.75/54 only

10/100BASE-T BULK STATION WIRE, CAT5

+ 1000" 8C Cable. Unshielded, Twisted pair 100BASE-T, high speed data and LAN applications



\$47.95/2+

CPH8TWR5 CNWTC451ZZ.....Stranded. \$59,95 Solid, 350Mhz... \$79.95 CNWTCE1ZG....

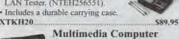
Mid Tower PC Case With 250W ATX Power Supply

 Features three piece cover design-slides open and locks. + Holds up to 2 fans for

maximum ventilation · Measure: 18"x7.75"x16.25" 3x3.5" & 3x5.25" bays; 7 slots.

HTMH600AA .... ATX .... \$34.95. 529,95/21 UTP/STP CAT5 Networking Tool Kits

 Comes with one crimping tool, UTP/STP stripper, & 80 pcs of RJ45 plugs, at LAN Tester. (NTEH256551).





# Cleaner Solution

All-in-one cleaning solution Extensive in application for all comxcxm puter peripherals, OA business

machines, telephone, and much more

\$11.95. \$9,95/3+

Unlimited Storage Capacity Exchange of 26GB or more!

Best Selling Mobile Racks As Low As \$895

IDE, IDC 40 pin male, A group Inner HDD Tray for RH-10/12/20/40 IDE Only. XMKXRL. ....9.95 ...8.95/5+ ATA66 Inner HDD Tray for RH-10/12/20/40 XMRLX10AU... 11.95 9.95/4+ RH-10 Complete Set w/ Mechanical Lock. XMKMR12 11.95 8.95/5+ RH-10 Complete Set w/ Electronic Lock XMKERL 19.95 16.50/5+ RH-40 Complete Set w/ Electronic Lock, fan & Alam. tray For 3600-10000 RPM HDDs.

IDE, IDC 40 pin male, B group Inner HDD Tray for RH-17/26/27/32 IDE Only ....10.95 XMKXRIB... 9.50/5+ ATA66 Inner HDD Tray for RH-26/27/32 XMRLX57AU.... 14.95 12.95/5+ RH-26 Complete Set w/ Mechanical Lock, auto door set, & plastic. For 3600-4500 RPM HDDs. XMKRH26I ...... 12.95...... 9.95/5+

RH-27 Complete Set w/ Electronic Lock, auto door set, fan & plastic. For 4500-5400 RPM HDDs. XMKRH27I 14.95 11.95/5+ RH-32 Complete set w/ electronic Lock, auto door set, fan & Alum, tray, For 3600-10000 RPM HDDs.

.... 44.95......39,95/5+

Energy Saver USB Port Hub

XMKRH321

Compatible with Windows 98 · Link up to 127 USB devices; Daisy chainable

Gain high speed access data rate. PnP. 519.95 WUSB4B ...... 4port, i-blue color ... \$24.95

Enhanced Cat. 5 UTP Patch Cord

Capable of high-speed 350MHz speed. They are guaranteed to meet and exceed FIA/TIA TSB-36 and TSB40-A standards, they are uL Listed, CSA Certified and are ETL Verified. Assembled type. CNWTCE3E.....3', blue. CNWTCE7E... ....7' blue CNWTCE14E......14', blue.

\$2.25 53,49 CNWTCE25E...... 25', blue CNWTCE50E ... ....50°, blue \$9.95

Internet Scrolling PS/2 Mouse

 Easy navigation on the Internet. On-line zoom in/zoom out.

100% compatible with Microsoft IntelliMouse mode

· Auto Scroll function. · Programmable third button · Check our web site for mice color pictures 56.95 Green

JMSA562B. Blue. 55,49/6+ JMSA562G JMSA567R Red. \$6.95 \$5,496+ JMSA562P .Purple \$6.95 \$5,49/6+ JMSA562T

New IDE Hot Swapable Rack Revolution of Mobile Rack Hot Swap Solution!

Easy-to-use. Single 5.25" Bay for Multiple 3.5" Removable Storage Devices, Such as ZIPs, HDDs, MOs, LS120s, without Shutting Down The System.

Comes with one inner tray, rack, Electronic key lock, software, and retail packaging.

US Patent & CE Approval, XMKARH37I... 49.95

High End Wide SCSI Aluminum **HDD Mobile Rack** Ultra Wide SCSI, HDB68 pin female

RH-25 Complete set w/ Electronic Lock, Fan, aluminim Tray, & ID display. For 4500-10000RPM HDD's

XMKERWFDF... RH-28 Complete set w/ Electronic Lock, 2 inner Fans, plastic Tray, & ID display. For 4500-10000RPM HDD's.

XMKERWD2F... 34.95 .32.00/5+ RH-29 Complete set w/ Electronic Lock, 2 inner Fans, Alum. Tray, & ID display. For 4500-10000RPM HDD's, Black Color.

XMRL29WB. 79,95. 69.50/5+

KEYBOARD EXTENSIONS

· Ideal for floornted PCs · Designed for IBM style keyboard cables. CK0506MM 6 DINSM-DINSM CK0506FM 6 DINSF-DINSM CK0512FM 121 DINSF-DINSM CK0606FM 6 DIN6F-DIN6M, for PS/2 \$1,25

PS/2 MOUSE CABLES

· Use as PS/2 mouse and keyboard extension CKB6MM06 6' Mini DIN6M to Mini DIN6M 99¢ CKB6MM10 10' DIN6M to DIN6M CKB6MF10 10' DIN6F to DIN6F \$1.99 CKB6MF25 25' DIN6M to DIN6F

MOUSE PADS

 Anti-static rubber/10 1/4" x 8 3/4" OUPB Blue 49¢/20+ OUPG Gray

OUPR Red Rubber Mouse Pad JMPWR White 1.49 0.99/204

JMPGR Gray 1.49 0.99/204 0.99/20+ 79# 59¢/20 Blue JMPBR 1.49 OUH01 Mouse Pocket 79¢

Replacement Mouse Ball · Heavy rubberized mouse ball.

\$5.49/6+ • 100% compatible with all mouse

· Smooth, best tracking, and reliability.

\$5,49/6+ JMSBALL \$1.35 \$0.99/64



screws. 50 pcs/bag XAK05.

Clear CD envelopes. Folded over flap keeps CD from sliding out during handling, 1pcs XDBC1E.....









Internet http://WWW.COMPUTERGATE.COM E-MAIL: cgate@computergate.com

Order Toll Free: (888) 437-0895 FAX: (408)730-0735 2960 Gordon Avenue, Santa Clara CA 95051 Mon–Fri 6:00am to 6:00pm Saturday 8:00am to 2:00pm (PST)



EPS630

\$9.52

\$19,95/2+

\$11.95

\$29.95





· Chrome keyboard tray extends 275 mm.

A ½-8° tilt platform for convenience
 Keyboard adjustable from 5° to 31°.

.....\$16.3. \$15,9/3+ \$1.25 Network Print Server

\$1.25 • Supports multiple protocols including \$1.75 NetWare IPX / SPX,Unix.

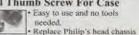
SCO, DOS, Win NT/95/98, and TCP/IP. High speed DMA design. RJ45 & BNC connectors.

\$54.º · RJ45 connector, 10BASE-1 \$1.99 XPS900 ...... RJ45 port. \$49.35 \* RJ45 connector, 10/100BASE-T. \$3.49 XPS110.... ...RJ45 port. 589.11

\* RJ45 connector, 10/100BASE-T .....3 RJ45 ports XPS3A.... KB WRIST REST KBWR XKBWRG Gray













# Delivers Unbeatable PC Networking & Upgrades Solution Let Us Maximize your PC Performance !!!

I Home | Terms | Support | RMA | Contact Us |

\$297

# www.interpromicro.com

# Motherboards SUPERMICE S2QR6-Quad Xeon, 2x 7899 U3/160MB, Lan S2DM3-Dual Xeon,840,2x7892/160MB.Len S2DME-Dual Youn 840 133 FSB LIIDE-66MB Lon. \$400 P6S2DG2-Dual Xeon, 2x7896 U2/S3, \$479 P6S2DGU-Dual Xeon, 7890 U2/S3..... \$475 370DL3-2rCPGA 7802100MB.Lm,13Mfe:FSB. \$489 370DLE-LEchip, 2rFCPGA.Lm,13Mfe:FSB. \$309 P3DM3-2xP2/3,840,7892 U3,Lan.....\$545 P3DM6-Dual P2/3,840,2xU3/160....\$499 P3DME-Dual P2/3,840,ATA/66,ATX.\$345 P6DGH-Dual P2/3,i960,U2/83,AT....\$749 P6DGU-Dual P2/3,GX, U2 W/S3... P6DBU-Dual P2/3,BX,U2 W/S3..... P6DBE-Dual P2/3,BX,2xIDE,ATX.. \$399

S-2257DUAN-2xP3 840,U2/83,Lan...\$575 S-1837UANGR-2xP2/3,U2,Lan/Raid.\$555 S-2380-AMD K7,ATA/66,PC-133,......\$149 Micro-Star International

P6SBU-P2/3,BX,7890 U2/S3.

P6SCD-P2/3,820,4xAGP,ATA/66...

MS-6301-820.ATA/66.PC-133,ATX.....\$145 K7 Pro-AMD K7,200Mhz,ATA/66.......8149 

E440BX2-P2/3 BX,IDE,Audio,..... P2B-DS-Dual P2/3,BX,7890 U2/S3....\$465 P2B-D-Dual P2/3,BX,IDE... P3C2000-820,133Mhz,ATA/66,VGA...\$175 K7V-AMD K7,133/FSB,ATA/66. 

Gigabyte GA-6CX-820,ATA/66, 2xRim,4xAGP...8155 GA71X-AMD K7,133/FSB,ATA/66.....\$135

DCB133-2xP2/3,840,U2/S3,133Mhz.\$675 DCA200-2xXeon,840,133/FSB,WTX, \$575 DS133R-2xP2/3,820,133,2xRambus. \$279 DBL100-2xP2/3,BX,7890 U2/S3......\$445 DBD100-Dual P2/3,BX,IDE......\$195 VD133-P2/3, Via, 133/150Mhz, ATA66... \$99

WS133-810E/S1,4M/VGA,Lan,SC.....S F. I. C (First International Computer) SD11-AMD K7, Via, 200Mhz, ATA/66...\$119 PAG2130-Via, 2M, Audio, ATA/66, ATX, \$109 2013-Via, IM, 4xSim/2xDim, ATX......879

ABIT Computer Corp. BE6/2-P2/3,BX,IDE,ATA/66Mb. BP6-Daul 370,BX,ATA/66Mb,ATX. WB6-P2/3,810E,A/V,ATA/66,133Mh2\$129 KA7-AMD K7, Via-133, ATA/66.

# CPU & Memory intel AMDA Cyrix

IntelXeon-450/500/550......\$695/\$1059/\$1075 IntelP3-800E/850E/866EB ......\$475/\$645/\$695 IntelP3-700E/733EB/750E. .\$299/\$/\$345/\$379 IntelP3-600E/650E/667EB. \$239/\$249\$235 \$195/\$197\$209 IntelP3-500/533EB/550. Celeron-533/566A/600A \$119\$125\$165 AMDK7-600/650/700. \$169/\$179/\$209 AMDK7-750/900/850. \$225/\$309/\$395 AMDK7-900/950/1G. .\$595/\$715/\$1385 AMDK6-450/500/533/550. \$57/\$59/\$85/\$89 \$45/\$95/\$145 EDOSimm-16/32/64. Sdm-32/64/128/256. \$39/\$69/\$135/\$259 Sdm+ECC-64/128/256. \$79/\$145/\$289 Sdm+ECC-512M1M. \$765/\$Call Please Call for New Daily Prices

# Deluxe Xeon Server



E CO

DualXeonReady.256MB/EOC Adantec7890Utra2WIS3/80MB) 27GBU2W/S3(3x9.1GB),Raid5 Seagate 12-24GB, DOS-3/S3Tape AdaptecRaid-lilcontrollerw16MB 100MBIDEZp,1.44MBFloppy "Toshiba40xSpeedSCSICD-ROM Trident T975, 3DAGPw/4MB "IntelExpress ProPCI 10/100BT \*DeluxeServerw/2x400WRedundant \*MS-Mouse&104kevsKevboard 'APCBK-500BackUPS(330W) Dual Xeon-450Mhz....\$4719 Dual Xeon-500Mhz....\$5489

# Ultimate Quad Server



\*SupermicroS2QR6-QuadXeon 512MB(32x72)/ECC/100Mhz \*Adeptc2x7899/160MB \*54GB(3x18GB)U2wHot-Swap "Seagate 12-24GBDDS-3/S3Tape 100MBIDEZp, 1.44MBFloppy \*Toshiba40xSpeedSCSICD-Rom \*Intel10-100BTNIConboard \*ServerCase.3x400WRedundant \*MS-Mouse&104KeysKeyboard Xeon-450-Dual/Quart\_\$822959619 Xeon-500-Dual/QuarL.\$8899/\$10099 Xeon-650-Dual/QuarL\$9079/\$11229 Adaptec Raid Controller......\$Call AddMS-NT4.0Server(5-25)..SCall

# 4U Web Server



H 'DualCPUReady, 128MBSdram Adaptec7890Utra2WIS3(B0MB) 9GBU2W/S3harddrive 100MBIDEZp,1.44MBFoppy '48xSpeedIDECD-FIOM TridentT975,3DAGPw/4MB \*IntelExpressProPCI10/100BT 4U/19"Rackmount,w/250WATX "MS-Mouse&104keysKeyboard DualP3-600550F \$1649\$1719 DualP3-600E/650E\_\_\_\$1729/\$1749 DunP3-700E/750E \$1859/\$2049 DanP3-800E/850E\_\_\_\$2279/\$2639 Upgrade to Raid 0,1,5 ...... \$Call RedhatLinux62(CD8Manual).\$49

# 2U Web Server



"SupermicroP6DM3,Intel840chipset DualOPU,128MB/ECC,133Mrz Adiaptec7892.LIG/160MB 9GBU3LVD, 160MB/SecSCSI 48xSpeed IDECD-ROM \*4MPCIVGA, 1.44floppy drive \*IntelExpressProPCI10/1008T 2U/19 Radmount,w250WATX MS-Mouse&104keysKeyboard Dual P3-500/550E\_\_\_\$1799/\$1879 DualP3-600E/600EB \$1899/\$1879 Dual P3-650E/667EB \_\_\$1919/\$1909 DualP3-700E/733EB...\$2029/\$2139 Dual P3-750E/800E ....\$2209/\$2639 DualP3-650E/666EB \_\_\$2789/\$2919 MS-Windows 2000....

# Dual Xeon-550Mhz....\$5529 1U Web Server

Supermicro370SEAw/CPU&Fan "Intel810chipset,66/100/133FSB 128MBSdram(uplo512MB) \*20GB,9ms,7200rpmATA/66/drive \*AGPw/4MB+FlatPanelsupport \*Integrated Audio Moderniunction IntelPC110/100BTw/Risercardy 48xSpeedIDECD-Rom "31/2"1.44MBfloppydrive PS/2104keyboard&MS-Mouse \*Black1U/19\* Rackmount

Intel P3-500E/550E... \$1079/\$1099 Intel P3-600E/600EB .....\$1109/\$1099 Intel P3-650E/667EB ......\$1119/\$1129 Intel P3-700E/733EB.....\$1189/\$1239 IntelP3-750E800EB .... \$1269/\$1389 Intel P3-850E/866EB ...... \$1569/\$1629

# 1U/2U Dual Web Server

370DL3.Dual P3 FCPGA CPU Ready LEchipset,66/100/133FSE 128MBSdram, 133Mhz 9GB6ms,7200pm,160MBSCSI Adaptec7892, Ultra-160 on board Intel8255910~100BT onboard 4MBPCIVGAw/Risercard \*48xSpeedIDECD-Rom 3.5"1.44MBiloppydrive \*PS/2104keyboard&MS-Mouse \*Black1U/19\* Rackmount Dual P3-500E/550E......\$1729/\$1739 Dual P3-600E/600EB... \_\$1749\\$1729 Dual P3-650E/667EB... \$1779/\$1759 Dual P3-700E/733EB... \$183951939 DualP3-750E/800EB... \$2059/\$2329

# 4U Linux Raid 5 Server

'SupermicroP6DME Intel840 chipset 'DUB/CPU,256MB/EDC \*DPT1564U3,160MBRaidCard "3x9GB/160MB, Raid5Ready ATA/66Mb, AC97 Audio 48 Speed DE CO-ROM \*4MPCIVGA\_1.44 lioppy drive "Intel Express Pro PO 10/10/08T 4U19 Rademount,7x5.25 Bays \*MSMbuse6104eyaKeyboard DualP3-500/550 \$2699/\$2729 Dual P3-600E/600EB \_\_\$2779/\$2749 Dual P3-650F/667FR \$278952799 Dual P3-700E/733EB \$2939/\$3039 DualP3-750E/800E \_\_\_\$3139\\$3319 Dual P3-850E/866EB \_\_\$3689/\$3799

# Super Station

P6SCDwCPU,64MBSdram "Intel820Chip,100/133MhzFSB \*13GBATA66MB,7200rpm "SoundBlasterLivePCI "AltecLansingStereoSpeaker \*Diamond 56KPCIV 90w Voice \*48xCD-ROM 1.44MBfoppy 'Mid-Tower, w/250W (ATX) MS-Mouse&104keysKeyboard 'ATIXoet@PlayPC2TVI&MB "Windows 98" Pre-installed P3-500550 \$8995919 P3-600E/600EB. \$939/\$929 P3-650E/667EB. 59495939 P3-700E/733EB \$999/\$1059 P3-750E800E \$1099/\$1199 P3-850E/866EB. \$137951429

# RedhatLinux6.2(CD&Manual) \$49

Video Cards
RageFuryNex,AGP,64MB. \$215
RageFuryPro,PC2TV,1632\_\$129\$149 AHn-W 128,16/32MB,AGP\_\$155/\$215 ATIXpert2000,32MB,AGP....\$89 DamondS64016/32MB,AGP \_\_\$55575 DiamondViper-II,AGP,32MB \_\_\_\$145 MetroxG400A1632MB,AGP\_\$119\$169 3DFX-3E00.Tuner.16MB.AGP\_\_\_\$185 OxygenVX1,32MB,AGP Oxygen-GVX1,AGP,32MB... Oxygen-GVX210,AGP,64MB. EvansTomato3000,AGP,62MB\_\$1379 EvansAccelgalaxy, AGP 52MB \_\_\$1219 Evensi intring AGP 39MB \$489 ElsaErazerX,AGP32MB... \$185 ElsaSynergyITNT2,AGP,32M\_\$165

**Tape Backup** 

Sesgate Tape Drive: View Sonic\*
STT28000A 48GB TR4, IDE. \$195 PF775,17\*16004220,24cpi.Fkz. \$349
STT28000N 48GB TR4, SCSI. \$225 E790,19\*1600x1280,26cpi.96K. \$365
STD28000N 48GB,005-2,SCSI. \$549 G81021\*1600x1280,25cpi.86K. \$765 STD224000N12/24GB DDS-2 SCSL \$659 P815.21\*1800x1440,25dpiUSB ..\$875 SONY Tape Drive: SDT5000K4-8GB,DDS-2,SCSL \_\$375 DS-70,177,1280x1024\_28qb,70K \_\$255 SDT7000K4-8GB,DDS-2,SCSL \_\$579 DP-73,171,1280x1024\_25qb,70k \_\$289 SDT9000K12/24GB,DDS-2,SCSI \$675 DS-90E,191,1600x1200,25qb,95K, \$475 Quantum Tape Drive: DLT4000 10/20GB.DLTSCSI. DLT7000 20/40GB DLT SCSL .\$3245 DLT8000,35/70GB,DLTSCSI. lomega Zip 100MBIDE drive. lomega.Zip 250MB IDE drive

# **CD-Rom Drives**

Dual PS. ASINE MARKER \$2500 \$2500

Yamaha 8x4x24SCSICD-RW. HP-9200i.8x4x32,SCSIRewriter.... \$285 Sony-CRX140S,8x4x32SCSIRW.\_\$259 Teac-54E 4x4x32 IDE Rewriter... Birch-70805 8x4x245CSIRW \$198 SONY E210,171,1600x1200,24dxi.60Khz...\$339 G400, 19", 1600x1280, 24dpi. \$535

A700+, 17\*, 1280x1024, 24,70K....\$295 A900, 191, 1600x1280, 28,92K.....\$445 FP960.19".1920x1440.25.110K......\$559

\$519

E400,19",1800x1440, 24,109K...

HITACHI CM615U,17,1280x1024,22,69K,\$236 CM769U,191,1900x1280,8590v \$559 HP-C1554,4mmDat,12/24GBSCSL,3849 CM771U,197,1600x1200,22,107K\_,\$459 HP-C1599,4mmDat,48GBSCSL\_,\$559 CM811U,217,1600x1200,22,96K\_,\$879 CM771LL197.1800x1200.22.107K \$459

Mitsubishi DP-900U,19\*,1600x1200,Flat,95K\_..\$675

.\$79 XJB1019\*1600x1200,280pi;95K\_\_\$425 Seegate-150176LW50GB,7184.pm .\$135 X,910,21\*1600x1200,28dp;110K,5845 Seegale-173404LW;73GB;10Kpm\*160\_.\$1585

RedhatLinux6.2(CD&Manual)\_\$49

**Hard Drives** \$295 BM-30702020GE,7200pm,100Mb IBM-307030,30GB,7200rpm,100MB \$235 IBM-307045,45GB,7200rpm,100MB.\_\$319 BM-307060.60GB,7200rpm,100MB...\$479 IBM-307075,75GB,7200rpm,66MB \$625 BM-309170LW/9.1GB,7200mm,U.2. IBM-DMVS9C,9GB,10Krpm/160MB...\$349 BM318350LW.18GB.7200mm.L/2 BNDM/S18.W.18GB.10Kpm/160MB...\$515 BM-DMVS36LW,36GB,10Krpm,U2 Mator53073U^,30GB,7200rpm,66MB \_\_\$219 Maxtor96147.61GB,5400rpm,66MB \$305 WD102BA,10GB,7200rpm,66MB \$119 WD153BA, 15GB,7200pm,66Mb. WD205BA20GB,7200pm,65Mb. \$166 WD307AA30GB.5400pm.66MB. \$169 Quartum-20500.20GB.7200mm66Mb... Ouratum300000,30GB,5400pm,66Mb\_\_\$199 Quartum-309100LW9GB7200pm/160M\_\$236 Quantum-309100TN,9GB,10Kpm/160ML,\$345 Ounturn 318900LW 193B,7200rpm 160 \_ \$365 Overture/36001 W/36GB7200cm/160 - \$695 Quartum-336400TN.36GB,10Kpm/160...\$915 Seagate-320420,20GB,7200rpm,ATAZ.\$169 Seegate-330630.30GB,7200rpm,ATA2.\$209 Seegate-39236LW9GB,7200rpm/160MB...\$245 Seagate-39204LW/9GB,10Kipm/160MB\_\_\$359 \$1295 DP20022'2048ri536 24th Fist \$1119 Seppe 318345UV19687200pm160 \$359 \$3245 \$245 Fist \$1119 Seppe 318345UV19687200pm160 \$325 \$3245 \$2777'1280x1024\_26th/7K \$319 Seppe 336704UV36CB10Kpm160 \$805

# Intel Book/Net PC



Intel810 Al-in-one Maintioard w CPU 64MBSdram(upto512MB) HOGRATA/REMBIDE thus '4Mb3DVGA,Audio,TV(AV/S-Video) \*Home Theater Speaker \*56K/V 90 Modern, 10/100 Mbos Lan \*52xSpeedIDECD-Rom,1.44MB \* Mouse & Keyboard \*Book Size 272mm/295mm/22mm "MS-Windows98"(Installed&licensed) Celeron-433/466.... \$489/\$499 Celeron-500/533/600\_\_\$519/\$529/\$Call Book PC Barebone System......\$175 IntelrVideo 5x Win DVD Rom....\$Call

# AMD Book/Net PC

\*MVP4All-in-oneMainboardw/CPU 64MBSdram (up to 512MB) 10GBUtra/66Mb/IDErarddsk 4MbAGPVGA,3D Audio, Speakers 56K/V.90 Mode 42x SpeedIDE CD-Rom, 1,44MB Mouse&Keyboard \*Book Size 272mm 295mm 82mm "MS-Windows 98" (Installed & Idensed) AMD K6-450/500. \$4195429 AMD K6-533/550... \$439/\$449 Book PC Barebone System. .. \$165 IntelrVideo5xWinDVDRom...\$Call

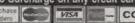
# InterPro

Microsystems Inc. 44920 Osgood Road, Fremont CA 94539 TEL: (510) 226-7226 FAX: (510) 226-7219

Your PC Discount Specialists If you find a better price, call us before you buy......We will try to match or beat any advertised price.

Hours of Operation: M-F 8:00 am - 6:00 pm Saturday: 10:00 a.m. - 2:30 pm P.S.T

800-226-7216 No Surcharge on any credit card



Term & Conditions: Knowledgeable tech-suport orgineers in service. One year Parts & Labor Warranty. Warranty does not cover software problem. No responsible for typos. Prices Specification, Availability subject to change will notice. P.O & Net Term subject to credit approvals. FOB Fremont. Return terms are subject to 12% representations. subject to 15% restocking lees, All returned lite must has a RMA # & a copy of invoice.

Been selling products Since 1993

Ouality name brand Component

Located in heart of Silicon Valley



For AT MB

S

# www.truedataproducts.com **SAVE 50% TO 70%**

800-635-0300 current pricing

Compag Presario 1244 K6/2-366 mhz, processor

32 meg ram 4.3 Gig Drive 24x CD

56k fax modem 12.1" HPA



NEC 4080H Pentium® 120 processor

Celeron 366 32/4.8 Active 24x CD

IBM 849

NEC 449

40 meg ram 1.0 gig hard drive Active Color



Celeron 366 processor

32 meg ram

• 4.8 Gig HDD

• 56k tax modem

e 40 meg ram • 1.0 gig HDD • 10.1" Active Color

· 4x cd rom

• 16 bit sound

battery & adapter

@ 28.8 fax

1.44 3 1/2 Floppy

Serial, Parallel, Vga ports

Touchpad & pemcia slot #3

• 12.1" Active Color

16 bit sound card

24x cd rom,1.44 floppy

Accupointer & pomoia Senal, Parallel, Vga ports

Pentium 133 processo

# K6/2-433 64/6.0 gig 14.1"Active DVD Compaq\$1399

Pentrum 166 48/2.0 Gig Active 10x CD

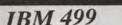
- K6/2-433mhz proc • 64 meg ram ,6.0 gig hdd
- 14.1" Active Color e 32 bit JBL sound
- 4x DVD 24x od rom
- 1.44 3 1/2 Floppy Touchpad & pomcia slot 3 Serial, Parallel, Vga ports
   battery & adapter
- 56k fax modem

K6/2-433 64/6.0 g/g 12.1"Active DVD

# Compaq 1099

- K6/2-433 proce
- 64 meg ram
   6.0 Gig HDD
   12.1" Active Color
- · 4x DVD 24x cd rom,
- 1.44 floppy Touchpad sound pemcia
- Serial, Parallel, Vga ports battery & adapter
- 56 fax modern

Pennum 133 processor 40/1.0 gig Active 4x



# Compaq 599

- Pentium 166 processor
  - 48 meg ram . 2.0 Glg HDD
  - a 12.1" Active Color
  - 16 bit sound card
  - 10x cd rom, 1.44 floppy Trackball & periods slot # Serial, Parallel, Vga ports
  - battery & adapter

a 33.6k fax modem

Pentium 120 processor 16/810 Color 4x cd

# Famous Maker 399

- Pentium 120
- # 16 meg ram
- 810 meg HDD
   11.3" Dual Scan Color
- 4x CD Rom
- 16 bit sound,
   1.44 3 1/2 Floppy
- Accupointer, pomola Serial, Parallel, Vga ports
- · Battery & adapter
- · returbished • 28.8k fax modem

# ant 133procesor 48/2.0 gig Active 8x CD

- Pentium 133 processor
- 48 meg ram
- 2.0 glg HDD
- 12.1" Active Color · 16 bit sound card
- · 8x cd rom, 1.44 floppy Accupointer & pomoia
- Serial, Parallel, Vga ports battery & adapter

- 9 33.6k fax

# K6/2-380 64/4.3 gig 32x cn

# Compaq 399

- K6/2-380 processor
- · Midtower case
- e 64 meg ram 4.3 glg HDD
- 32x CD rom
- · sound
- 1.44 3 1/2 Floppy
- KeyboardMouse
- 58k fax modem.
- New

# Cyrix II 366 32/2.1 24x cd

# E-Machine<sup>s</sup>299

- . Cyrix II 366 processor
- Midtower case
- 32 meg ram
- @ 2.1 gig HDD
- = 24x CD rom
- · 16 bit sound
- 1.44 3 1/2 Floopy
- Keyboard
- speakers & mouse
- Serial, Parallel, Vga ports relurbished
- e 56k fax

486 notebooks 16 Years color screen

Pentium & MMX

is a registered trademark of Intel



Since 1983

775 Quaker Highway Rie 146A P.O. Box 347 Uxhridge MA 01569 Email Sales@truedataproducts.com

to order: 1-800-635-0300 In MA 508-278-6555

MC, Visa, Amex, Discover

http://www.truedataproducts.com/

# COMPUTER OUTLET Thompson's Computer Warehouse, Inc.

# MEMORY

# LIFETIME WARRANTY

72 PIN MEMORY 8MB 2X32-60 EDO \$18.00 16MB 4X32-60 EDO \$44.00 32MB 8X32-60 EDO \$86.00 FPM & Parity Available CALL 168 PIN SDRAM 32MB 4X64 66Mhz \$32.00 64MB 8X64 66Mhz \$56.00 128MB 16X64 66Mhz \$108.00 32MB 4X64 PC100 \$33.00 64MB 8X64 PC100 \$57.00 128MB 16X64 PC100 \$109.00 256MB 16X64 PC100 \$226.00 64MB 8X64 PC133 \$59.00 128MB 16X64 PC133 \$114.00 256MB 16X64 PC133 \$244.00

# VIDEO CARDS



DIAMOND StealthIII S540 32mb \$64.00 Viper2 Z200 32mb \$130.00

MATROX G400/16mb AGPDVD \$105.00 G400/16Dualhead DVD\$114.00 G400/32MBAGPDVD \$138.00

G400/32Dualhead DVD\$165.00 **ASUS** Geforce 32mb Pure \$199.00

Geforce 32mb Dlx \$240.00 TCW SIS 4mb PCI \$25.00 SIS 3D 8mb AGP TV \$36.00 \$27.00 TNT2Vanta 8mbAGP TNT2Vanta16mbAGP \$54.00

TRIDENT Blade 3D 4mb AGP \$29.00 Blade 3D 8mb PCI \$35.00 Blade 3D 8mb AGP \$37.00 Blade 3D 8mb DVD \$41.00 ATI

3D Charger 8mb AGP \$35.00 All in 1 128 16mbAGP \$129.00 All in1 128 32mbAGP \$193,00 Xpert@Pl98 8mb AGP \$44.00 Xpert@Pl98 8mb PCI \$58.00 Xpert 128 16mb AGP \$72.00 Xpert 2000 32b AGP \$76.00 \$99.00 RageFury 32mb RageFury 64mbMax \$195.00

Velocity 8mb AGP \$60.00 Voodoo3 3000 16mb \$99.00 Voodoo3 3500 16mb \$149.00

STB

# CPUs

AMD AMD Athlon ATHLON RETAIL

Includes fan + 3 yr. Warranty K7 Athlon 850Mhz \$360.00 K7 Athlon 800Mhz \$269.00 K7 Athlon 750Mhz \$215.00 K7 Athlon 700Mhz \$183.00 K7 Athlon 650Mhz \$169.00

ATHLON OEM Athlon 1000Mhz \$849.00 Athlon 950Mhz \$608.00 Athlon 900Mhz \$440.00 Athlon 850Mhz \$328.00 Athlon 800Mhz \$239.00 Athlon 750Mhz \$195.00 Athlon 700Mhz \$165.00 Athlon 650Mhz \$149.00

DURON Spitfire 750Mhz \$185.00 Spitfire 700Mhz \$140.00 Spitfire 650Mhz \$109.00 Spitfire 600Mhz \$85.00 Spitfire 550Mhz \$71.00

# INTEL

PENTIUM III RETAIL Includes fan+3 yr. Warranty P-III 850Mhz PC100 \$649.00 P-III 800Mhz PC100 \$420.00 P-III 750Mhz PC100 \$379.00 P-III 733Mhz PC133 \$319.00 P-III 700Mhz PC100 \$270.00 P-III 667Mhz PC133 \$215.00 P-III 650Mhz PC100 \$209.00 PENTIUM III FLIP CHIP

Includes fan+3 yr. Warranty P-III 750Mhz PC100 \$341.00 P-III 733Mhz PC133 \$247.00 P-III 700Mhz PC100 \$259.00 P-III 667Mhz PC133 \$188.00 P-III 650Mhz PC100 \$185.00 **CELERON 2 PPGA** \$148.00

\$101.00

\$92.00

\$88.00

\$75.00

Celeron 600Mhz Celeron 566Mhz Celeron 533Mhz Celeron 500Mhz Celeron 466Mhz Buy a fan w/ any cpu for a 1year warranty!

# MONITORS All Have a 3 Year Warranty!



RELISYS 15" Digital .28 3yr. \$126.00 17" Digital .28 3yr. \$184.00 \$212.00 17° Digital .25 3yr. 19" Digital .26 3yr \$316.00

15" Digital .28 3yr. \$126.00 17" Digital .27 3yr. \$174.00

17" Digital .28 3yr. \$179.00 17" Digital .25 w/spk\$194.00 19" Digital .26 3yr \$312.00 21" Digital .25 3yr \$590.00

OPTIQUEST 17" Q71 .28 1yr. \$225.00 VIEWSONIC

17" GT775 .26 3yr. \$358.00 21" P810-4 .22 3yr \$909.00

# **MOTHER**



Other Athlon Boards in Stock! BCM/GVC

Athlon K7 QS750 \$115.00 Athlon K7 QS754 \$132.00 ASUS K7V K7 PC133 \$160.00 K7V PC133w/Snd \$155.00

K7M K7 w/Snd \$145.00 CUC2000 PC133 \$149.00 P3CE 820 Rambus \$195.00 P3C2000 PC133 \$167.00 P3V4X PC133 \$119.00 BIOSTAR

M7MKE K7 PC133 \$99.00 M5AA SupSckt 7 \$62.00 M6TWG Slt1&Skt370 \$64.00 M6VCG Sckt370 \$82.00 M6TBA Slot1 \$79.00 FIC

503a SupSckt 7 \$87.00 SD11 K7 \$97.00 SK11 K7 PC133 \$115.00 TCW

TX-100 w/snd+video+ 10/100nic+56Kmod. \$75.00

TEKRAM P5M4 snd+video \$72.00 381ML 370 Vid/Snd ATX \$67.00

SHUTTLE 591P HOT 100Mhz \$78.00

CD ROMS

48X Mitsumi IDE \$45.00 50X IDE \$38.00 50X Asus IDE \$49.00 4/4/24rw Misumi IDE\$195.00 8/4/25rw YamahalDE\$228.00

DVD ROMS

Afreev DVD 10X IDE \$125.00 Samsung DVD 12X \$129.00 SOUND CARDS

USS ISA 16bit ESS PCI Solo

\$14.00 Yamaha PCI 32bit \$18.00 Creative ISA 16bit \$25.00 Creative PCI 16bit \$24.00 Creative PCI 128 \$34.00 Creative Live Value \$51.00 Diamond MX300 PCI \$29.00

\$12.00

SPEAKERS

125w w/power \$7.00 Flat Panel w/ Sub \$27.00 KinyoSA210 Mini Sub \$24.00 Kinyo SW4315 w/sub+surr. snd. \$39.00

# Many Other Items Are Shown Online

# NETWORK



HUBS 5port Mini w/AC \$19.00 8port Mini w/AC \$26.00 8port 10/100 w/AC \$69.00 16port 10/100 w/AC \$143.00

CARDS ISA NE2000 3yr. \$9.00 PCI NE2000 3yr. \$9.00 PCI 10/100 3yr. \$12.00 Intel Pro 10/100 \$39.00 3Com 10/100 905btz \$51.00

# MODEMS



56K ISA Voice \$36.00 USR Sportster ISA \$77.00 Lucent PCI \$17.00 Rockwell Full Dplx \$34.00

# HARD DRIVES MAXTOR

10GB 66/5400/2mb \$79.00 10GB 66/7200/2mb \$99.00 15GB 66/5400/2mb \$100.00 15GB 66/7200/2mb \$111.00 20GB 66/7200/2mb \$139.00 30GB 66/7200/2mb \$182.00 40GB 66/7200/2mb \$238.00 WESTERN DIGITAL \$69.00 6.4GB 66/5400/2mb

8.4GB 66/5400/2mb \$78.00 10.2GB 66/5400/2mb \$81.00 10.2GB 66/7200/2mb \$108.00 15.3GB 66/5400/2mb \$94.00 \$117.00 15.3GB 66/7200/2mb 20.5GB 66/5400/2mb \$119.00 20.5GB 66/7200/2mb \$157.00

30.0GB 66/5400/2mb \$158.00 SAMSUNG 10.2GB 66/5400/512 \$71.00 13.6GB 66/5400/512 \$92.00 15.3GB 66/5400/512 \$95.00 \$102.00 20.0GB 66/5400/512

SEAGATE 8.4GB 66/5400/512 \$76.00 13.0GB 66/5400/512 \$92.00 17.0GB 66/5400/512 \$99.00 20.0GB 66/5400/512 \$104.00 **IOMEGA** 

100mb IDE Int. Zip \$47.00 250mb Internal \$96.00

# **MotherBoard** Comparison Listed Online

# CASES



\$25.00 DeskTop 230w Mini Tower AT \$23.00 Mid Tower AT \$28.00 Full Tower AT \$42.00 Mid Tower ATX 250w \$39.00 Mid Tower ATX 300w \$55.00 Full Tower ATX 300w \$73.00 Full ATX Hydraulic \$99.00 Enlight Mid ATX 7237\$55.00

# ACCESSORIES

Floppy Mitsumi Floppy \$16.00 Keyboards & Mice Mitsumi Keyboard AT \$12.00 Mitsumi Keyboard PS/2 \$9.00 Microsoft Natural Kybrd PS/2 \$39.00 Mitsumi Mouse PS/2 \$6.50 Mitsumi Mouse Serial \$6.50 Mitsumi Mouse Scroll PS/2 \$9.00

\$19.00

Microsoft Intlimouse PS/2

Thompson's Computer Warehouse

The Thompson Center 6306 Benjamin Rd. Suite 616

Tampa, FL 33634

http://www.tcwo.com More items listed online. Prices updated daily. Order Online!!!



## COMPUTER ADAMANT SYSTEMS

# GAME SCREAMER-1000



- 1000MHz AMD Athlon™ Processor
- 128MB PC133 SDRAM Memory
- 40.5GB 7200 rpm Ultra ATA-66 HDD
- 32MB GeForce-DDR 4xAGP Video
- V.90 Diamond Supra 56K Fax/Modem
- 6x4x24 DVD/CD-RW Combo Drive
- Sound Blaster Platinum 3D Sound Card
- 19" 1280x1024 .26 SVGA Monitor
- Altec Lansing ACS-54 Powercube 5-Speakers set with Subwoofer
- PS/2 Keyboard, PS/2 Mouse
- Microsoft Windows-98 Second edition
- Corel Word Perfect Office-2000
- . 3 Years Parts, Lifetime Labor Warranty

AMD Duron™	600MHz	\$1989
Probabilities of the Control of the	700MHz	Contract of the last
	800MHz	
AMD Athlon™	900MHz	\$2369

MIND MINDS	11111.006.000		
256MB RAM	AddS129		
120MB SuperDisk Drive	Add . \$59		
21".26 Monitor	Add \$379		
MS Office-2000 Pro	Add \$299		

# WEB PLATFORM-5000



- 800MHz AMD Athlon™ Processor
- . 64MB PC133 SDRAM Memory
- 30.5GB 7200 rpm Ultra ATA-66 HDD
- . 64MB ATI Rage 4xAGP Graphics
- V.90 Diamond Supra 56k Fax/Modern 8x4x32 EIDE CD-RW Drive
- Sound Blaster Live MP3+ Sound Card
- 17"1280x1024 .27 SVGA Monitor
- Altec Lansing ACS-33 Powercube 3-Speakers set with Subwoofer PS/2 Keyboard, PS/2 Mouse
- Microsoft Windows-98 Second edition
- Corel Word Perfect Office-2000
- McAfee Virus Scan
- · 3 Years Parts, Lifetime Labor Warranty

AMD Duron™	600MHz	\$1469
AMD Duron™	700MHz	\$1539
	800MHz	
AMD Athlon™	900MHz	\$1869
	1000MHz	

40.5GB HDD	Add S69
250MB ZIP Drive	Add \$99
Windows-2000 Professional	
NEC Laser Printer	Add \$289

# **ENTERTAINMENT CENTER-1000**



LOW

- . 600MHz AMD Duron™ Processor
- 64MB PC133 SDRAM Memory
- 20.5GB 7200 rpm Ultra ATA-66 HDD
- 8MB ATI Xpert&Play Graphics w/TVout
- V.90 Standard 56K Fax/Modem
- 10x Max Variable Speed DVD-ROM
- · Sound Pro-32 3D Sound Card
- Altec Lansing ACS-33 Powercube
- 3-Speakers set with Subwoofer
- PS/2 Keyboard, PS/2 Mouse
- Microsoft Windows-98 Second edition
- Corel Word Perfect Office-2000
- · 3 Years Parts, Lifetime Labor Warranty DVD Title.....

AMD Duron™ 600MHz	\$889
AMD Duron™ 700MHz	\$959
AMD Athlon™ 800MHz	
AMD Athlon™ 900MHz	\$1289
AMD Athlon™ 1000MHz	\$1699

128MB RAM	Add \$69
32MB AGP Card	Add \$39
8x32 CD-RW Drive	
Canon Color Printer	Add \$75

# SCHOLAR STATION-4000



LOW

- 500MHz AMD K6-2 Processor
- . 64MB PC100 SDRAM Memory
- 20.5GB Ultra ATA-66 HDD
- . 8MB SIS-6325 3D Video Graphics
- . 50x Max Variable Speed CD-ROM
- V.90 Standard 56K Fax/Modem
- Sound Pro-32 3D Sound Card
- 60W Multimedia Stereo Speakers
- PS/2 Keyboard, PS/2 Mouse
- Microsoft Windows-98 Second edition
- Corel Word Perfect Office-2000
- · 3 Years Parts, Lifetime Labor Warranty
- AMD K6-2500MHz

AMD K6-2 550MHz	\$599
30.5GB HDD 128MB RAM 10x DVD ROM 100MB Zip Drive 8x4x32 CD-RW Drive 17"27 Monitor 19"26 Monitor	Add\$59 Add\$69 Add\$99 Add\$59 Add\$199 Add\$179 Add \$299
15"LCD Monitor	

## NETWORK SERVERS AND STATIONS

# **POWER SERVER-8070**



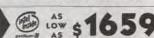
- 733MHz Pentium®-III Processor
- . 128MB PC133 SDRAM Memory
- AMI RAID Controller w/32MB RAM . RAID-5 Array with 3 Hot-Swap 18.1GB Ultra-2 LVD SCSI
- 7200 RPM Hard Drives 50x Max Variable Speed CD-ROM
- 4MB S3 AGP Video Card
- V.90 Standard 56K Fax/Modem
- 10/100BASE-T Network Card
- Tower Server Case, 300W Power Supply · PS/2 Keyboard, PS/2 Mouse
- Microsoft Windows-2000 Server
- · 3 Years Parts, Lifetime Labor Warranty

Pentiume-	Ш.	56/ MHZ	2513
Pentium®-1	III	733MHz	5282
Pentium®- I	Ш	866MHz	\$317
Pentium®-1	Ш	933MHz	\$332
Pentium®-I	И	1000MHz	\$353

# \$600 OFF on the Linux Servers

64MB RAID Contreller Ad	ld \$99
50GB Tape Drive Add	\$599
Rack Mount Case Ad	d \$99
Additional 3COM LAN Card Ad	H \$40

# POWER STATION-6000



- 128MB PC133 SDRAM Memory
   30,5GB 7200rpm Ultra ATA-66 HDD
- . 64MB ATI Rage Fury MAX Graphics
- \* 10x Max Variable DVD-ROM Sound Blaster Live Value Sound Card
- •V.90 Diamond Standard 56k Fax/Modem
- 10/100BASE-T Network Card •19" 1280x1024 .26 SVGA Monitor
- PS/2 Keyboard, PS/2 Mouse
   Altec Lansing ACS-33 Powercube 3-Speakers Set with Subwoofer,
- Microsoft Windows-2000 Professional
- Corel Word Perfect Office-2000
- · 3 Years Parts, Lifetime Labor Warranty

Pentium® III 667MHz	\$1569
Pentium® III 733MHz	\$1659
Pentium® III 866MHz	
Pentium® III 933MHz	
Pentium@fll 1000MHz	

60.1GB HDD	Add \$95
6x24 DVD/CD-RW	
USB Scanner	
NEC Laser Printer	Add \$289

# **BUSSINES STATION-8060**

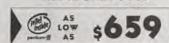


- 733MHz Pentium®-III Processor
- · 64MB PC133 SDRAM Memory
- 40.5CB Ultra ATA-66 Hard Drive
- 32MB Diamond 3D 4xAGP Graphics
- 50x Max Variable Speed CD-ROM Sound Blaster PCI Sound Card
- V.90 Diamond Standard 56K Fax/Modem
- •10/100BASE-T Network Card
- 17" 1280x1024.27 SVGA Monitor
- PS/2 Keyboard, PS/2 Mouse Multimedia Stereo Speakers
- Microsoft Windows-98 Second edition
- Corel Word Perfect Office-2000 · 3 Years Parts, Lifetime Labor Warranty

Pentium® III 677MHz	\$1189
Pentium® III 733MHz	\$1279
Pentium® III 866MHz	\$1629
Pentium® III 933MHz	\$1779
Pentium® III 1000MHz	\$1989
A SECRETARY OF THE SECRETARY	the later with the

# 128MB RAM 8x4x32 CD-RW Drive . Add \$179 10x DVD-ROM Add \$100 32MB ATI Rage Fury Pro ..... Add \$59

# ALL-in-ONE PC-500



- 500MHz Intel Celeron® III Processor
- . 64MB PC133 SDRAM Memory
- 20.5GB Ultra ATA-66 Hard Drive
- \* i810E AGP Graphics w/DVD Support
- 50x Max Variable Speed CD-ROM
   Sound Pro 3D PCI Sound Card
- PCI 10/100BASE-T Network Card
- V.90 Standard 56k Fax/Modem.
- · Mini Slim Tower or Desktop Case
- · Multimedia Stereo Speakers
- PS/2 Keyboard, PS/2 Mouse · Microsoft Windows-98 Second edition

 Corel Word Perfect Office-2000 · 3 Years Parts, Lifetime Labor Warranty

Intel® Celeron™ 500MHz	\$659
Intel® Celeron™ 566MHz	\$699
Pentium® III 667/733MHz \$79	9/889
Pentium® III 866MHz	1239
Pentium® III 933MHz	1389
Pentium® III 1000MHz	1599

15" LCD Monitor 5899 Add 30.5GB HDD Add 549 MS Office-2000 SBE Arid \$199 Canon Color Printer





Quality systems from Adamant Computers are powered by

AMD







CALL FOR PRICING ON YOUR CUSTOM CONFIGURATIONS

0-6 10



# ADAMANI COMPUTERS

# ADAMANT'S BAREBONE SYSTEMS

## AMD-K6 INTEGRATED BAREBONE

Tower Deluxe ATX Case, 250W Power Supply Super Socket-7 Motherboard. 512K Pipeline Burst Cache, 32 MB PC100 SDRAM. 1.44MB Floopy Drive On board HDD/FDD IDE UDMA Controller On board SIS 8MB 3D Video Accelerator On board Sound-Pro 3D, PCI Sound Card On board 56K Data/Fax/Voice V.90 Modern PS/2 Enhanced Keyboard. PS/2 Mouse

AMD K6-2 3D 500MHz ..... \$229 AMD K6-2 3D 550MHz ..... \$249

## P-III INTEGRATED BAREBONE

Tower Deluxe ATX Case, VIA Chipset Board, 32 MB PC100 SDRAM , 1.44MB Floppy Drive On board HDD/FDD IDE UDMA Controller On board SIS 8MB 3D Virteo Accelerator On board Sound-Pro 3D, PCI Sound Card On board 56K Data/Fax/Voice V.90 Modern PS/2 Enhanced Keyboard, PS/2 Mouse

Intel® Celeron™ 500MHz	\$269
Intel® Celeron™ 566MHz	\$299
Pentium® III 667MHz	\$419
Pentium® III 733MHz	\$499
Pentium® III 866MHz	\$859
Pentium® III 933MHz	\$999
Pentium® III 1000MHz	\$1219

## Athlon™ INTEGRATED BAREBONE

Tower Deluxe ATX Case, 250W Power Supply Socket-A. 200MHz Bus Speed Motherboard with IDE UDMA/86, and Controller 64 MB PC133 SDRAM

3-168 Pin DIMM Slots, 1-AGP, 4-PCI, Slots, 1.44MB Floppy Drive,

On board Sound-Pro 3D PCI Sound Card On board 56K Data/Fax/Voice V90 Modern PS/2 Enhanced Keyboard, PS/2 Mouse

AMD Duron™ 600MHz	\$359
AMD Duron™ 700MHz	\$429
AMD Athlon™ 800MHz	\$549
AMD Athlon™ 900MHz	\$739
AMD Athlon™ 1000MHz \$	1145

# P-III CLASSIC BAREBONE

Tower Deluxe ATX Case, 250W Power Supply VIA Chipset 133MHz Bus Speed Motherboard with UDMA/66 and I/O Controller, 64 MB PC133 SDRAM, 3-168 Pin DIMM Slots, 1-AGP, 4-PCI, 2-ISA Slots,

1.44MB Floppy Drive, PS/2 Enhanced Keyboard, PS/2 Mouse

Intel® Celero	n™ 500MHz\$289
Intel® Celero	n™ 566MHz \$319
Pentium® III	677MHz \$479
Pentium® III	733MHz \$519
Pentium® III	866MHz \$879
Pentium® III	933MHz \$1019
Pentium® III	1000MHz \$1239

# ALL PARTS BRAND NEW AND GUARANTEED

h	AEMOR)
64MB SDRAM, 168pin. 133MHz	
64MB RIMM,168pin, 800MHz	\$29
128MB SDRAM, 168pin, 133MHz	\$12
128MB RIMM,168pin,800MHz	\$59
HARD DRIVES/ST	ORAGE
Western Digital 10,2GB Ultra ATA-66	
Western Digital 20.5GB Ultra ATA-66	
Western Digital 20.5GB 7200 rpm	\$14
Western Digital 30.5GB Ultra ATA-68	
Western Digital 40.5GB Ultra ATA-66	\$21
WD 18.1GB Ultra Wide SCSI, 10000	
ZIP Drive 250MB IDE Int /Ext USB	
LS-120 SuperDisk™ Drive Int./Ext	

VIDEO CARDS
Diamond Speed Star 8/16MB.3D 4x AGP \$29/49
Diamond Stealth-III 32MB.3D 4x AGP \$65
ATI All-in - Wonder 16MB, AGP \$135
ATI All-in - Wonder 32MB, AGP \$189
ATI Rage Fury MAX 64MB, AGP \$159
3DFX Vocdoo-III 3000 16MB, AGP
3DFX Voodoo-III 3500 16MB, AGP \$169
Matrox G400 MAX 32MB, 3D AGP \$199
Matrox Marvel G400, 16MB, 3D AGP \$269
Asus V6800 GeForce 32MB DDR.3D AGP \$259
Asus V7700 GeForce 32MB DDR, 3D AGP\$359
MULTIMEDIA
50x BTC CD-ROM Drive

10x32 Sony CD-RW, UIDE Drive
52x Kenwood SCSI CD-ROM Drive \$159
10x32 HP 93001 CD-RW, UIDE, Int \$269
8x32 Yamaha CD-RW, IDE/SCSI \$229/265
16x x Pioneer DVD-ROM Drive\$149
Asound 3D, PnP ISA/PCI Sound Card\$12/12
Creative Sound Bluster PCI-128 Card \$33
Creative Sound Bluster LIVE Value Card \$49
Diamond Monster MX300 Sound Card \$69
Turtle Beach Quadzilla Sound Card \$45
MODEMS
Phoebe 56K Voice.V.90. Int. JSA Jumper \$39
Diamond Supra 56K Voice, V.90. Ext
Diamond Supra, 56K Voice, V.90, Ext. USB \$89

۰		
	Diamond Supra,56K Voice,Int.,PCI	. \$29
	3COM Sportster 56K Voice, Int., PCI	\$39
	Creative 56K Voice, Int., ISA, Jumper	\$65
	Creative 56K Voice V.90, Ext	\$79
	NETWORK	ING
	Intel, 10/100BASE-T PCI LAN Card	. \$49
	3Com, PCI, 10/100BASE-T LAN Card	. \$49
	D-link, PCI, 10/100BASE-T LAN Card	S19
	CONTROLL	ERS
	Iwill UDMA/66 Controller Card	. \$29
	Iwill-2936 SCSI-UW Fast Card	
	Iwill UDMA/66 RAID Controller Card	
	Iwill Ultra-160,66MHz SCSI Controller Card	
	Adaptec 2940 SCSI-U2W Card	
	The state of the s	

Pentium® III 677MHz

Pentium® III 733MHz

Pentium® III 866MHz

Pentium® III 933MHz

Pentium® III 677MHz

Pentium® III 733MHz

Pentium® III 866MHz .

Pentium® III 933MHz

Pentium® III 1000MHz

\$329

\$419

5919

\$329

\$419

\$769

5919

\$1129

# ADAMANT'S 10 TOP SELLING MOTHERBOARDS OF THE MONTH

# DFI K6XV3......\$75

VIA Apollo Pro chipset, 100MHz Bus Speed, 4-PCI, 3-ISA, 1-AGP Slots, 1024K Cache, 3-168 pin Memory Slots, Award PnP BIOS, 2-USB Ports, Built-in Ultra IDE and I/O Controller, ATX Form Factor

# TYAN \$1598 ..... \$95

VIA Apolio Pro chipset, 100MHz Bus Speed, 5-PCI, 2-ISA, 1-AGP Slots, 1024K Cache, 3-168 pin Memory slots, Award PnP BIOS 2-USB Ports, Build-in Ultra IDE UDMA/66

# and I/O Controller, ATX Form Facto DFI AK70 ..... \$115

AMD Chipset, 200MHz: Bus Speed, 5-PCI, 1-AGP Stots, 3-168 pinMemory Stots, 2-USB Ports, Award PriP BIOS, Build-in IDE UDMA/66, I/O Controller, ATX Form Factor.

# TYAN TRINITY K7 .... \$135

AMD Chipset, 200MHz Bus Speed, 5-PCI, 2-ISA Stots, 1-4xAGP Stot, 3-168 pin Memory Stots, Award PnP BIOS, 2-USB Ports, Build-in IDE UDMA/66 and I/O Controller, ATX Form

# ASUS K7V ...... \$155 AMD Chipset, 200MHz Bus Speed, 5-PC

1-AGP 4x Slot, 3-168 pin Memory Slots, AMI PnP BIOS, 2-USB Ports, Built-in IDE UDMA/66 and I/O Controller, ATX Form Factor



問

AMD Athlon™ 700MHz .. \$319 AMD Athlon™ 800MHz .. \$409 AMD Athlon™ 900MHz .. \$609 AMD Athlon™ 1000MHz\$1016

AMD Athlon™ 700MHz .. \$329

AMD Athlon™ 800MHz .. \$419 AMD Athlon™ 900MHz .. \$629

AMD Athlon™ 1000MHz\$1036

# AMD Athlon™ 700MHz .. \$299 AMD Athlon™ 800MHz .. \$389 AMD Athlon™ 900MHz .. \$589 AMD Athlon™ 1000MHz \$996

AMD K6-23D 500MHz . \$129

AMD K6-23D 550MHz . \$149

Upgrade to 2MB Cache . \$12

DFI K6BV3+, AT Style .. \$75

AMD K6-23D 500MHz . \$149

AMD K6-23D 550MHz . \$169

Upgrade to 2MB Cache . \$29

Tyan 1590S, AT Style .... \$95

# VIA Chipset, 133MHz Bus Speed, 5-PCI, 2-ISA, 1-AGP Slots, 3-168 pin Memory Slots, Award PnP BIOS, 2-USB Ports, Build-in IDE UDMA/66 and I/O Controller, ATX Form Facto

DFI TA64 ..... \$87

VIA Chipset, 133MHz Bus Speed, 4-PCI, 1-ISA

Slots, 1-AGP 4x Slot, 4-168 pin Memory Slots, Award PnP BIOS, 2-USB Ports, Build-in IDE UDMA/66 and I/O Controller, ATX Form Factor.

ABIT VA6 ..... \$87

TYAN S1854 ..... \$98 VIA Chipset, 133MHz Bus Speed, 6-PCI. 1-ISA, 1-AGP 4x Slot, 3-168 pin Memory Slots, Award PnP BIOS, 2-USB Ports, Build-in IDE UDMA/66 and I/O Controller, ATX Form Fi

# ASUS P3V4X ..... \$109

VIA Chipset, 133MHz Bus Speed, 6-PCI, 1-ISA, 1-AGP 4x Slot, 4-168 pin Memory Slots, 2-USB Ports, Award PnP BIOS, Built-in Ultra, IDE UDMA/66 and I/O Controller, ATX Form

# TYAN 51834 TIGER \$155

Dual Processor Support, VIA Chipset, 133MHz Bus Speed, 6-PCl, 1-ISA, 1-AGP Stot, 3-168 pin Memory Stots, Award PnP BIOS, 2-USB Ports Build-in IDE UDMA/66 and I/O Controller, ATX Form Factor.



Pentium® III 677MHz 5339 Pentium® III 733MHz \$429 Pentium® III 866MHz \$779 Pentium® III 933MHz 5020 Pentium® III 1000MHz . \$1139

Pentium® III 1000MHz . \$1129



Pentium® III 677MHz .... \$349 Pentium® III 733MHz .... \$439 Pentium® III 866MHz .... \$789 Pentium® III 933MHz .... \$939 Pentium® III 1000MHz \$1139



Pentium® III 677MHz \$379 Pentium® III 733MHz Pentium® III 866MHz .... \$829 Pentium® III 933MHz ... \$979 Pentium® III 1000MHz \$1169

# If you do not see a product you are looking for CALL!

Corporate. Sovernment and University PO's welcomed: Due to the volatility inherent in the industry all prices and configurations are subject to change without notice. Not responsible for photo in appropriation are solded from the Man number required for all returns. Shipping, bandling and credit card service be made for merchandse returned after 30 days from the dale of the invoice. Purchaser is responsible for all returns on all returns or merchandse returned after 30 days from the dale of the invoice. Purchaser is responsible for all returns are subject to a first product of the service of the service is non-returned prices. Sold with money back guarantee applies to complete, non-custom configured systems only. Full credit will not be given for incomplete or changed returns. Products returned in non-returndable conditions are subject to a redocking fee. Manufacturer warrantly applies to specific products. Call for warrantly and return policy details.

All legion and insiderance before the production of the respective companies: Intell inside Logo, Pentium and MMX are trademarks or registered trademarks of time.



4572 RENAISSANCE PKWY CLEVELAND, OH 44128 PHONE 216-595-1211
TECHNICAL SUPPORT 216-595-9965 216-595-1430 WWW.ADAMANT.COM

WE'RE THE EXPERTS ON COMBINING THE BEST QUALITY WITH THE LOWEST PRICE

# MOTHER BOARD EXPRESS THE INFORMED

877-317-4629 TOLL FREE

\$1799

ue Motherboard Experts

SHOPPER'S #1 CHOICE IN MOTHERBOARDS!

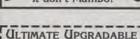
www.MotherboardExpress.Com

TOLL FREE TECH SUPPORT: (888) 440-1617 1000 Brown St. • Suite 201 • Wauconda, IL 60084-3110 • Mon-Fri: 8-5 Sat: 9-3

## AMDJIMmm Good! HOT & SPICY COMBOS AMD K6/2 450 with Tyan 1590 AMD K6/2 450 with Tyan 1598 AMD K6/2 533 with Gigabyte 5AX \$160 AMD K6/2 550 with Gigabyte 5AX \$189 AMD Athlon 550 & Gigabyte 71XE \$295 AMD Altrion 650 & Gigabyte 7IXE AMD Athlon 750 & Gigabyte 7IXE AMD Athlon 850 & Gigabyte 7IXE \$413 \$612 AMD Athlon 900 & Asus K7V

If it ain't an MBX COMBO, it don't Mambol

AMD Athlon 1GHz & Asus K7V



BAREBONES SPECIAL

**BXproChipset** Motherboard, Intel Celeron 466 Processor, onboard audio & I video, 56K I modem, and a | quality Enlight | Mini-Mid Tower

[ Case!



While quantities last!

ONLY\$ 259

Prices & spece subject to change without notice. Prices do not inc. S&H cost or 1, State Sales Sar (if it, resident). S&H changes are not instand-able. 15% Restocking the or all returned tiems. Deboed items may not be returnable. No refunds on surfavor or special orders Prices fluctually beyond our control. All trademarks are registered inademarks of their respective companies. We reserve the right to refuse any sale for any reason. All returns sent back Freight Prepaid. Not responsible for type-

/ Providing quality service to our valued customers since

3 Year Warranty on motherboard & processor when purchased together.

/ Toll-Free Tech Support

✓ Recognized as industry leaders.

# GOULD THER Says

"The vendor that volunteered the most information was Motherboard Express, where the sales rep doubled as a technician, asking all the right questions, and providing all the right answers."". Motherboard Express offered it at the lowest price of the vendors I called...

# Another Satisfied Customer

Congratulations on the SUPERB job you & your staff did on my Custom Build job! Everything works GREAT & you set it up just the way I would have! I will definitely recommend your 'outfit' to anyone who values MY opinion :)

Thanks very much for all your efforts & a job well done! George E.

# Visit us at www.MotherboardExpress.com

# SHHHH...IT'S A SECRET!

Please don't tell anyone that Motherboard Express will custom build the system of your DREAMS! Our Super Geek Expert Technicians will LOVINGLY build (hey, they don't date much, so this is the closest to "hands on" they'll get) the absolute BEST darn system you have ever owned! YOU get to create the system YOU want, from the highest quality NAME BRAND components. Choose from brands such as; Intel, Asus, Seagate, CreativeLabs, Viking, Supermicro, 3com, IBM and many more! Need On-site or extended warranties? No problem. It's not just a dream, it's YOUR dream system! Just remember, please don't tell anyone...it's a secret!





\*Dual CPU \*840 Chieset \*133 Mhz FSB +4 32 Bit PCI +AGP Pro +4 Dimm up to 2GB SDRAM •2 64 Bit PCI • On-board LAN ·Ultra 2 SCSI \$639



## •Via Apollo Pro 133A •6 PCI •1 ISA 133Mhz •AGP 4X \$133 •UDMA 66

Hey! Check it out

www.motherboardexpre

n

0

TYAN S1854 \*Slot 1 & PPGA \*UDMA66

P3V4X

•6PCI •1 ISA •3 DIMM w/sound add \$10 \$125



# **EPOX**

7KXA \*5 PCI \*1 ISA \* 1AGP \* ATX \*AGP Pro/4x \*3 DIMM \*1 AMR Onboard Sound \$135



S2380 •Via Apollo Pro •3 DIMM .6 PCI .1 ISA .Slot A •AGP 4X \$155



\$55

# /ISUS

\*Athlon Stot A \*UDMA 66 •5 PCI •1 ISA •133 Mhz FSB -AGP 4X \$195



Mirror, mirror on the wall, who's the fastest of them all? Is AMD & K7 best, or will Intel PIII's dust the rest? Call us for a quote or two - our business depends on only you!

3DFX Voodoo3 2000 AGP 16mb	. \$102
3DFX Voodoo3 3000 AGP 18mb w/TV	\$133
NEW! 3DFX Voodoo4 Series	
NEWI 3DFX Voodoo5 Series	
ATI Expert 128 AGP 16mb	\$89
ATI Expert 2000 AGP 32mb w/TV	
ATI Rage Rage Maxx 64mb	
Creative Labs 3D Blaster Annihilator 32mb	
CreativeLabs 3D Blaster Annihilator PRO 32n	
Diamond SpeedStar A90 AGP 4x 16mb	
Diamond Stealth III S540 AGP 16/32mb	
Diamond Viper II AGP 32mb	
Jaton AGP or PCI 4MB/8mb	
VisionTek GeForce 256 TV out AGP 32mb	
VisionTek GeForce 2 GTS	

there print committee in those storal	gar s
Fujitsu UDMA/33 5400rpm 6.4 / 10.2 192/	
IBM IDE/SCSI/U160	ALI
IBM SCSI LI2W 7200rpm 9.1/18.2	357
Maxtor UDMA/66 5400rpm 10.2/15.3 .103/	
Maxtor UDMA/66 7200rpm 20.4/30.7 .187/	
Quantum NEW U160 7200rpm 18.0/36.0.1420/	
Seagate UDMA/66 5400rpm 13.2/20.4 .*128/	
Seagate NEW U160 10k 18.4/36.4 619/1	
Seagate NEW U160 7200/10K 9.2 289/	
Western Digital UDMA/66 7200rpm 10.2/13.6*115/	
Awesome Aluminum Drive Cooler	\$39
FLOPPY/REMOVABLE	
Black Floppy /Beige Floppy	46
Mitsumi 1.44 3.5"/Teac 1.44 3.5" \$17/	\$15
Iomega ZIP 100mb Internal IDE	\$89
iomega ZIP 250mb int/ext	179
Panasonic LS120 Internal	\$78
IDE, SCSI, Travan, & DAT Backups C	ALI
SOUND CARDS	
CreativeLabs SoundBlaster 512 PCI	\$57
GreativeLabs SoundBlaster Live! Value PCI	\$55
CreativeLabs SB Live MP3 or X Gamer PCI	
CreativeLabs SoundBlaster Live! Platinum .\$	199
CD. CDRW. DVD DRIVES	

Kenwood 52x TrueX SCSI CD . Hot to trot! \$185

OLOGILACETOR DEN ARE	-600
Mitsumi 48x IDE	
Toshiba 40x SGSI	.\$94
Pioneer 10x DVD Bare Drive	\$175
Plextor 8x4x32 IDE	ALL
CreativeLabs Encore 8x2x24	\$199
HP 8x4x32 Internal IDE	ALL
Sony 8x4x32 Internal SCSI	\$268
Yamaha 4x4x16 Internal IDE	\$256
Yamaha 8x4x24 SCSI Int	
MODEMS	
Diamond Supra MAX 56i PCI	\$49
USR WinModem 56k PCI	\$49
USR Sportster 56k ISA	
USR Sportster 56k PCI w/voice/fax	\$79
USR Sportster 56k External w/fax	\$135
56k AMR Slot Modem (New Modem Slot!) .	
MONITORS Treat Your Eyes to the Bes	
ADC 15" .28 1024x768	
ADC 15° 28 1280X1024 w/ Speakers	\$186
AOC 15" LCD Panel .30 1024X768 w/Sok .\$"	
ADC 17" .28 1280x1024	\$249
AOC 17" .26 1600X1200 w/Speakers	\$275
ADC 19" .26 1600x1200	\$429
Optiquest 21* .26 1600x1200	
Viewsonic 17" .27 1280x1024	
Viewsonic 19" .26 1600x1200	439

	-		-
Viewsonic Flat Panel Displays 14*- CASES W/POWER SUPPLI Superpower			CALL
Mid-Tower, 300w/300w Black,			
Mid-Tower, Black, 250w Mid-Tower,			
Full-Tower, 300w			

250W Desktop/Midtower . Rackmount (It's big. it's bad, it's rackmount time!) .CALL Supermicro 750A/760A 300W Towers (Fan City!!) \$199/\$209 801AX 300W Server Tower (9.6 Cu. Ft.!) . . \$749 840/850 Quad Srvr Twrs 300/600W .11699/1299

820/830 Srvt Twrs 300/400W PC Power & Cooling 



With Viking memory you have the assurance of quality, speed and stability. Only the best is good enough for our customers. Please call for a current quote on 64, 128 and 512 DIMMS.

## · MONNER DIR MOTHERBO ROARDS

ADII	ULA MOD MODIO DUCO.
KAT \$179	P3V4X \$133
VA6	PSA \$105
VT6-X4 \$134	P299\$115
WXS . \$126	P299-B \$115
BE6, II \$149	P2-B-B \$145
BF6 \$121	P3B-F 5 \$151
ASUS	P38-F6\$151
K7M\$179	P2-BD \$319
K7X-RM \$192	P2-BS \$359
POSTUMBURE 9400	DO D I C 0000

		_
P2-B1	DS	\$529
ME 95	B	\$95
P3-Wi P3-W		\$159
	-RM .	
EPO		
FIC		
5011	300 0	2155

A	L		ш
GIG	ABY	TE	
GA-7	IX, E.	. \$14	7
5BXC		\$10	
6BA	12301	\$11	5
BX20	00 Plu	5. \$13	5
6800.)		\$38	8
5AX		\$8	
6LM7	A	\$7	9
INT			
		TX \$18	
SC45	ONX.	\$393	9

HUTTI	E	S2-D
1661	\$99	S2DI
1591P .	\$89	P6-D
		P6-D
1	\$129	P6-0
<b>JPERI</b>	MICRO	P6-D
SEA	\$135	P6-S
QM6	.\$2965	P6-D
-DG2	\$575	P6-S
DGE	\$345	P6-D
		P6-D

			_
2-DGU	\$535	P6-SWA	3141
2DM3	\$649	370 SBA	\$121
S-DGE	\$250	370 SWM	\$100
	\$419	370SED	
B-DGU	\$485	TYAN	
5-DGH	\$853	S1952DLUR	\$580
S-SBA	\$110	S1846	\$115
S-DBE Rev2	\$192	S1830	\$179
S-SBU		\$1832DL	\$192
S-DBS	\$403	S1837UANGR	\$629
S-DBU		S1857-B III	

-	_	-	_	-
ī	S1854	A		12
	S1854	SA	\$1	35
	\$2066		\$1	39
	\$1590	Acres	\$1	01
	\$1598	1MB	\$1	80
	S1598	2MB	: \$1	35
	S2257	-1.00	\$6	39

# **VOTE FOR**

"Shopper's Choice" in Motherboards!

www.computershopper.com

# "I Found the Answer to IT Success!"

"SmartCertify's ClassWare™ gave me the benefits of classroom training without paying the high price."

-Maria Cordova, MCSE

# Get MCSE Windows 2000 Certified Guaranteed!

SmartCertify's

ClassWare courses

combine the personal attention and effectiveness of traditional instructor-led classes with the convenience and affordability of self-paced courseware. SmartCertify's ClassWare provides award-winning training that will get you certified...guaranteed.

Smart**Certify**Direct

Preparing You (727) 724 - 8994 for a Successful IT Career Fax: (727) 726 - 6922

25400 US Hwy19N,#285 Clearwater, FL 33763 (800) 475 - 5831 (727) 724 - 8994 Fay: (727) 726 - 6922

# SmartCertify's ClassWare™ Courses Include:

- Courseware Codeveloped by Industry Leaders
- 24-hour Online Mentoring From Certified Advisors\*
- Unlimited Telephone Access to IT Training Specialists\*
- Hands-on Interactive Exercises
- Hundreds of Practice Test Questions
- Self-paced Study Format
- · Easy Financing Options
- Money-back Certification Guarantee\*\*

# Visit our Web Site! www.it-train.com

- . Try Our Courses FREE!
- · Online IT Skills Assessment
- IT Job Search
- FREE Certification Newsletter
- · Certification Training Chats
- · Free Email Account
- . IT Industry News

# Course Titles Include:

MCSE, MCSE+I, MCP, MCP+I, A+, Cisco, Linux, i-Net+ and more!

Call Today for Our Limited Introductory Discount!

**Toll Free** 

**1-877-TRAINING** 

1 - 8 7 7 - 8 7 2 - 4 6 4

www.it-train.com

\* Not available for all courses. \*\* Call for full details on our money-back guarantee

TUNE-UP

# UPGRADING Y bq Bill O'Brien

graduate from roller skates to bicycles to automobiles not because the places we want to go have magically moved farther away, but usually because we like to get to them a little faster. It's the same with computers. Not only do we want to get our day-to-day computing tasks done as fast as possible, but as new software gets increasingly complicated, our systems need to be able to keep up.

One of the easiest ways to add some speed to an aging computer is to upgrade its processor. And that's what we elected to do with our slightly tired 200MHz Intel Pentium-powered Micron Millennia MME. With no shortage of CPU upgrade options available on the market, we chose Evergreen Technologies' \$169 Spectra 400 kit for the job. It uses a 400MHz AMD K6-2 processor mounted on a small circuit board that provides the correct voltage regulation.

While the physical swap is relatively easy, there's a bit more to trading an old CPU for a new one than just changing the chips. Newer CPUs might use higher speeds, different voltages or pin counts, or even include features (like 3DNow or MMX) that aren't supported by your system's BIOS or the motherboard chip set. The first step in any CPU upgrade is finding out which processors are compatible with your system.

You might be able to find a list of compatible processors in your

system documentation (assuming you can even find the documentation itself). But if you can't, or if the processor you were hoping to upgrade to isn't listed, don't despair. Your best bet is to check out the Web site of the upgrade-kit manufacturer for compatibility information. You might not be able to determine absolutely that your system is compatible, so make sure that you can return the kit for a full refund or at least get store credit.

Another option is to call the upgrade-kit manufacturer. With the

Spectra 400, a quick call to Evergreen Technologies (800-733-0934) might answer all your questions. Before we even had the upgrade kit in hand, we were directed to Evergreen's Web site (www. evertech.com) to download a copy of the Spectra 400's install disk and run it on our system. The software polled our system's configuration and created a few data files that we were instructed to e-mail to Evergreen. Evergreen then informed us that our system was compatible. If a BIOS patch or upgrade is needed, it's possible that Evergreen might even have one available. Running this software is also the first step in actually doing the Spectra 400 installation. Evergreen includes the available BIOS upgrades and patches on a CD supplied with the kit.

Unplug your PC's power, take the usual precautions against static discharge, and remove the cover to gain access to the system's interior. We couldn't miss our Micron's 200MHz Pentium CPU, topped by a nearly 2-inch-high blue heat sink. If



Our system's original CPU

you also have a fan attached to your CPU, you'll need to unplug its power lead, which is usually attached to a connector on the motherboard or a lead from the power supply. We also elected to temporarily remove our system's power supply to give us some extra working space.

Our Pentium system uses a tension-release socket to hold the CPU. A small lever sets or releases pressure on the processor's pins, holding the CPU firmly or allowing it to be removed. Releasing the tension is just a matter of pressing the lever down slightly, nudging it away from the socket, then raising it fully. The CPU will then also rise



then raising it fully. The Removing the power supply gives some extra room to work.

slightly, indicating that it's ready to be removed. Keep the lever in the raised position to avoid re-engaging the pins. (If your processor uses a slotted design, such as an Intel Pentium II or AMD Athlon, you should find one tab or lever on each side of the CPU

# WEB SOURCES

You may be able to save a few bucks by buying your CPU upgrade kit online. Try the usual dollar-saving places, such as Buy.com, Egghead.com, and our own computershopper.com. You can glean information about the available processors from AMD (www.amd.com) and Intel Corp. (www.intel.com). The kits we used came from Evergreen Technologies (www.evertech.com), and the memory module from Crucial Technology (www.crucial.com).

# EVEN EASIER

If your system's traditional CPU upgrade options are limited, or if you're simply looking for a maximum-performance upgrade without all the hassles of purchasing a new computer (the expense, reloading applications, migrating interface cards, and so on), then you'll appreciate Evergreen's AcceleraPCI. It includes processor, chip set, SDRAM memory, and Evergreen BIOS, all rolled into a single PCI card. We selected a 466MHz Celeron model with 64MB of SDRAM, which sells for \$399. We increased the card's memory to 128MB, which added another \$119 to the price.

The downside to the AcceleraPCI is that you'll lose a few PCI slots. One is taken up by the card itself, and another gets blocked by the CPU fan. It's even possible that a third slot will be blocked

by some electronics on the back of the card. For older systems using ISA modems and sound cards, this shouldn't be a problem, but don't settle on the AcceleraPCI until you're sure you have enough open PCI slots.



The upside to the AcceleraPCI is that installation is as easy as sliding a PCI card into a slot. (You even leave the system's original CPU and memory in place.) And the performance improvement is immense. Compared to our original 200MHz Pentium, the upgrade boosted the system's application performance (as measured by Business Winstone 99) by a whopping 94.1 percent.

cartridge. To remove the slot-mounted CPU, disengage these before pulling out the cartridge.)

Also locate pin 1 before you pull out the CPU. Pin 1 is on the corner of the CPU that's rounded (or notched). Alternatively, the pin-1 corner might contain a white dot. The new processor must be installed with its pin 1 in the same position as the old one. If you

can't determine pin 1's location on the CPU, check the socket once you've extracted the processor. To do so, simply lift the CPU straight up. The socket may have a rounded corner at the pin 1 location, but the real giveaway is that the socket's pin-I corner has one



Raise the CPU socket lever to release the CPU.

less pinhole than the others. (For slot-mounted CPUs, placement is easier: Just remember which side the heat-sink/fan assembly faces and orient the replacement part the same way.)

# news | best buys | opinions | reviews | features | web buyer | biz-to-biz | help & how-to | reference

Don't be intimidated by the multiple rows of pins on the CPU. When you're working with a tension-release socket, you really don't need to align each and every one of them with a cor-

responding socket hole. Just make sure pin 1 on the chip lines up with pin 1 on the socket, place the chip on the socket in roughly the correct spot, then-very lightly-shift the chip around the socket until it drops into place. (Of course, this will happen only if you've remembered to leave the tension lever in the raised position.) Once the CPU is seated, lower the lever, push it down close to the motherboard, then tuck it in toward the chip before letting go. (If you have a slotted CPU upgrade, just



Pin I is located on the rounded corner of the CPU.



Another way to identify pin I is to locate the corner of the CPU socket that has one less hole than the others.



This tab helps keep the heat-sink/fan assembly in place.

re-engage the tabs or levers on the sides of the CPU cartridge.)

# The Spectra 400 includes a separate heat sink/fan assembly,



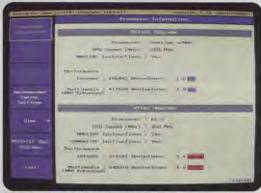
which needs to be attached at this point. The assembly sits on top of the CPU and is "latched" in place with a metal strap. If you look carefully at the base of the socket into which you've just installed the processor, you'll see several tabs on two of its opposing sides-these

are the latch points. Hold the heatsink/fan assembly against the CPU, and tilt it slightly down on one side so the hole in the strap reaches the first latch. Once it catches, flatten the assembly against the top of the CPU to maintain pressure on the latch, then press the other side of the strap down and toward the second latch until it, too, engages. You'll still have

a little room to



The new CPU is now installed.



The Spectra 400's software will display the performance boost the new CPU is providing.

move things around, in case you didn't center the assembly on the CPU. Once the fan is centered, connect the fan's two power cables. The larger, four-pin cable attaches to the power supply. The smaller, four-pin cable goes into a matching plug adjacent to the CPU housing.

Upgrading your CPU is hardly the only way to eke out more performance from your system. If your system has 32MB or less of system memory, you could see a significant performance boost by simply increasing the amount of RAM. Windows requires a lot of memory to perform all of its tasks, and once it runs out of available physical memory, it starts using space on the (much slower) hard drive as "virtual memory." Obviously, with more system memory installed, your PC is less likely to need to use the virtual memory on the hard drive and will run faster.

We acquired a 64MB SDRAM DIMM from Crucial Technologies (\$56.69 direct) for our Micron Millennia MME. Combined with the 32MB DIMM already installed, it brought our total memory up to 96MB. The system's Business Winstone 99 score jumped from 9.89 to 12.2-practically the same performance boost we saw when upgrading the CPU to a 400MHz AMD K6-2. V

Reattach the power supply, put the cover back on the system, and plug the power cable back in. Slip the Spectra 400's installation floppy disk into the drive, and power up the system. It will boot from the disk and perform another evaluation, displaying whatever improvement it found in performance. This infor-

mation is also saved to disk and can be used as part of your product registration. Using our Business Winstone 99, which measures realworld application performance, we saw the system's score jump from 9.89 with the original CPU to 12.0 with the new processor, a 21.3 percent gain. Y





# dell factory computer.

dell' factory outlet price.



Have you heard about the Dell™ Factory Outlet? It's a website offering refurbished Dell systems at a discount. First, we rebuild Dell desktops, notebooks, workstations and servers to original Dell factory standards. And test them to ensure top performance. Then it's time to price our systems-they're always discounted. Plus, most include Intel® Pentium® III processors. And they're all covered by Dell's same-as-new limited warranty!

So check out the Dell Factory Outlet today. You can browse 24 hours a day. And when you're ready to buy, just call our reps. The Dell Factory Outlet. Where you can buy Dell technology at discounted prices.

find the system that's right for you, speak with our helpful reps; mon-fri 7am-9pm CDT • sat 10am-6pm CDT • keycode 29CPS





shop online, buy on the phone.

888.598.4521

www.dell.com/outlet



All systems refutished and for U.S. only. Dell Computer Corporation carried to held responsible for errors in typography, or photography. For a complete copy of our guarantees or limited wavarantees, write Dell Computer Corporation. Attn. Warranties, One Dell Way, Box 8521, Bound Bock, TN 78582, Dell, the Dell logo and Dimension are trademarks of Dell Computer Corporation, Intel. the Intel Inside logo, and Pentium are registered trademarks of Intel Corporation. ©2000 Dell Computer Corporation. All rights reserved. SUPPLIES ARE LIMITED AND CHANGE DAILY

MAGIC NUMBERS

Dear Alfred:

I have misplaced the documentation for my Windows 98 CD and can't find the registration key required for installation. Is it stored on the CD somewhere? Mohit Kakkar

The key is not stored on the CD, but if you still have a working installation on your system, use REGEDIT to examine the contents of HKEY\_LOCAL\_MACHINE\ Software Microsoft Windows CurrentVersion\ProductKey, where you'll find the key used for that installation.

Once you have the key, take a permanent marker and write the key on the label side of the CD itself. Don't use a ballpoint or any pen that might scratch the surface, because you could permanently damage the CD. Also, don't use an adhesive label-the extra weight could cause the CD to wobble in a high-speed

CD-ROM drive. Once it's marked, you'll always have the key as long as you can find the CD.

# WHERE'S THE BATTERY?

Dear Alfred:

Every time I boot up my notebook, I get a message saying my date/time is incorrect. The manufacturer says I need to bring the notebook into an authorized dealer to get it repaired, but I think I can change the battery myself. After all, if I can change my car's oil, how difficult can it be to replace the motherboard battery?

Mike Orr

It may be harder than you think. Desktop systems tend to use fairly standard components, but notebooks more often use proprietary parts so as to fit them in a compact case. As a result, it may be difficult to locate the battery. and even more difficult to find a replacement. And the hardest part of all may be trying to fit all the parts back together success-

fully. This is not a trivial problem, and it's

probably handled best by a service that specializes in notebook repairs.

# INCREASING SYSTEM PERFORMANCE

Dear Alfred:

I have a 200MHz MMX Pentium system with 32MB, and I want it to run faster. It seems to be getting slower and slower as the days go by. I have an 8GB hard drive with more than 5GB free. Someone mentioned that there's a way to use hard drive space as memory and fool the system into thinking that it's RAM. How do I do this, and will it speed up my system?

Ken Rafoss

As a matter of fact, your system already uses hard drive space as memory—it's called the Windows swap file or "virtual memory." When the physical memory is filled, Windows writes some of the con-

# ALFRED POOR

tents to your hard drive, freeing up the RAM to hold more data.

You can speed up the swap-file performance. First, defragment the drive. Next, right-click on My Computer, then choose Properties, then the Performance tab. Click on the Virtual Memory button, then choose "Let me specify my own virtual memory settings." Set the minimum size to around 200MB if you have plenty of hard drive space available, and then set the maximum to 400MB. These settings should be sufficient unless you do lots of graphics editing or other work with very large files.

By setting a large minimum size, Windows will not waste time dynamically resizing the swap file. By creating it on a drive that's been defragmented, Windows will be able to read and write to the file more rapidly. As a result, you might see a small performance gain from these new settings.

The best thing you can do for performance, however, is to add another 32MB or even 96MB of RAM. With the additional memory, your system will be much less likely to resort to the swap file at all, and your system will run noticeably faster. V

# of the month

# SHORT SHORTCUTS

You have tons of handy shortcuts on your desktop, but you have to minimize all of your open windows to get where you can find the one you want.

Now, your favorite programs are just a keystroke away.

Dear Alfred:

Create a shortcut key for a frequently used program by right-clicking on its shortcut icon on the desktop. Then choose Properties, and under Shortcut Keys, put in a function key, such as F2 or F4. Do not use F1 (help), F3 (find files), F5 (refresh), or F11 (full screen), as they are already assigned to specific tasks by Windows. Now you can open the program with a function key.

Cassandra L. Murray

Great tip! And you're not just limited to function keys; you can use other keystroke combinations, such as Shift-Ctrl, Shift-Alt, and Ctrl-Alt,

along with the alphanumeric keys. For example, I've assigned Ctrl-Alt-C to the calculator, which lets me open it quickly, no matter what else is onscreen. It's a great time-saver.

Send us your favorite tip, and you could

receive a tipster's prize package, including a coveted Computer Cures" T-shirt, plus some other secret and exciting items that you can't get anywhere else. Send your questions and tips to:

"Alfred Poor's Computer Cures" Computer Shopper, Editorial Dept. 28 E. 28th St., 10th Fl. New York, NY 10016-7922 opoor@zdnet.com

Please include your name. Sorry, we cannot provide personal replies, nor return any enclosures.

# www.micropro.com

NEW NetCraft II

Intel<sup>®</sup> i810E Chipset 2 Universal Serial Bus (USB) Ports 64 MB 100MHz SDRAM Memory 8:4 GB Ultra66 IDE Hard Drive Intel 3D graphics with TV OUT 52X Max IDE CD-ROM, 3.5" Floppy Drive 8X IDE DVD-ROM Drive (Add \$75.00) 24-bit 3D wavetable Stereo Sound 56K PCI v.90 Fax/Modern w/Voice 10/100MBs 10base-T Nic Card External Speaker set

Bookshelf Slim Case Now even more powerful!

Intel® Pentium-III \$749 650MHz \$799 700MHz \$849

Intel® Celeron® 566MHz

SODMINE \$656

(Show with optional monitor

The NET in the Palm of your hand! \*MICRO SYSTEMS

INCLUDE:

- MS Windows 98 and Internet Explorer 5.0 104-key PS/2 Keyboard & PS/2 Mouse
- COREL WordPerfect Suite2000, and 155 CD Titles w/Encyclopedia
- . McAfee Virus Scan for MS Windows'98 . 3 YEARS Limited Parts & Labor Warranty

# \*Constellation 7701MP

Universal Serial Bus (USB) Ports 128 MB 133 MHz SDRAM Memory 40.5 GB Ultra66 IDE Hard Drive 32MB nVIDIA geFORCE-2 4X AGP

16X IDE DVD-ROM Drive 3.5" Floppy Drive 3Com v.90 56K PCI WinModem

Creative Labs Sound Blaster Live! Value Deluxe ATX Tower Case

AltecLansing ACS-54 sound system 19" .26 N.I. Digital Monitor

Intel®Pentium-III

667MHz \$1579 1629 1689 BOOMHIZ 806MHz 1899 933MHz

# \*Constellation 7612MP

2 Universal Serial Bus (USB) Ports 128 MB 133 MHz SDRAM Memory AMD 30.4 GB Ultra66 IDE Hard Drive 32MB nVIDIA geFORCE 4X AGP

Graphics Card 16X IDE DVD-ROM Drive 3.5" Floppy Drive 3Com v.90 56K PCI WinModem Creative Labs Sound Blaster Live! Value Deluxe ATX Tower Case AltecLansing ACS-54 sound system 19" .26 N.I. Digital Monitor

AMD Athlon K-7 wspnow \$1399 1GHz 800MHz 1459 1549 900MHz 1669 950MHz

# \*Constellation 7711MP

- 2 Universal Serial Bus (USB) Ports 64 MB 133MHz SDRAM Memory 20.4 GB Ultra66 IDE Hard Drive
- 32MB nVIDIA geFORCE 4X AGP
- 10X IDE DVD-ROM Drive.
- 3.5" Floppy Drive 56K PCI v.90 Fax/Modem w/Voice
- Creative Labs Sound Blaster 128 PCI Deluxe ATX Tower Case
- AltecLansing ACS-33 sound system 17" .27 N.I. Digital Monitor

Intel®Pentium-III

667MHz \$1099 1149 800MHz 1659

866MHz

# \*Constellation 7712MP AMD

2 Universal Serial Bus (USB) Ports 64 MB 133 MHz SDRAM Memory 20.4 GB Ultra66 IDE Hard Drive 10X IDE DVD-ROM Drive

3.5" Floppy Drive 3Dfx Voodoo-3 3000 16MB AGP

w/TV OUT 56K PCI v.90 Fax/Modem w/Voice Creative Labs Sound Blaster 128 PCI

Deluxe ATX Tower Case AltecLansing ACS-33 sound system

17" .27 N.I. Digital Monitor

AMD Athlon K-7 wisonor 31029

700MHz 1059 750MHz 1119 850MHz 1199 900MHz

# \*Constellation 4512MP

64 MB 100MHz SDRAM Memory 5.2 GB Ultra66 IDE Hard Drive 32MB nVIDIA TNT-2 2X AGP

52X Max IDE CD-ROM Drive,

3.5° Floppy Drive 56K PCI v.90 Fax/Modem w/Voice PCI 3D wavetable Stereo Sound Deluxe ATX Tower Case

AltecLansing ACS-33 sound system 17" .27 N.I. Digital Monitor

Intel®Pentium-III

\$889 650MHz 700MHz 919 999 BOOMHZ BEOMHIZ 1169 750MHz

intel

celeron

45

49

90

59

69

THE REAL PROPERTY.

# \*Constellation 3412CP

128 KB Internal L2 Cache 2 Universal Serial Bus (USB) Ports 64 MB 100MHz SDRAM Memory 15.2 GB Ultra66 IDE Hard Drive 16 MB nVIDIA TNT-2 2X AGP

Graphics Card 8X IDE DVD-ROM Drive

3.5" Floppy Drive PCI 3D wavetable Stereo Sound

56K PCI v.90 Fax/Modern w/Voice Stereo Microphone and 240W speakers Deluxe Micro ATX Tower Case 17" .27 N.J. Digital Monitor

Intel® Celeron® \$779 566MHz 799 829 GOOMHZ **633MHz** 667MH 869



# NEW NEW Net Appliance

Intel® i810E Chipset 2 Universal Serial Bus (USB) Ports 64 MB 100MHz SDRAM Memory 15.3 GB Ultra66 IDE Hard Drive Intel 3D graphics with TV OUT Slim 24X IDE CD-ROM Slim 4X IDE DVD-ROM Drive (Add \$155.00) 24-bit 3D wavetable Stereo Sound 56K PCI v.90 Fax/Modern w/Voice 10/100MBs 10base-T Nic Card External Speaker set Unique Design Case







3COM 32-bit 10/100 Network Card ... 36-bit Color FlatBed USB Scanner ... MS Office2000 Small Business Edition 175

MS Office2000 Professional Edition ,... 299 MS Home Productivity Bundle ...

**UPGRADE OPTIONS** 

We use these popular products in building our quality systems









CREATIVE Fage

C.O.D. 154



AUGUST 2000 COMPUTER SHOPPER. All prices subject to change without notice. Previous Sales Excluded.

UNLIMITED TOLL FREE TECHNICAL SUPPORT 800,809.6483

Local & International • (216) 661-7218 • Fax: (216) 661-2454

HOURS: Mon-Fri 10 am-7 pm • Saturday 10 am-5pm (est)

Sentinel 700GXi

700MHz

Intel\*Pentium-III"processor

Intel® T440BX single processor server board Deluxe Tower server chassis 128 MB 100MHz SDRAM Memory 9.1 GB Ultra-2/LVD SCSI Hard Drive 50X Max EIDE CD-ROM, 3.5" Floppy Drive Integrated Ultra Wide SCSI Single Channel Controller Intel® EtherExpress PRO/100+ LAN Controller On-board PCI 2MB Video Adapter Intel® Tem Emergency Management Port (EMP) On-board Management controller and Intel® Server Control

External 56K v.90 Fax/Modern nor reno 104-key PS/2 Keyboard & PS/2 Mouse 3-year parts, 3-year on-site warranty

## NetForce T866i

866MHz

Intel®Pentium-III"processor

intel® L440GXh DUAL processor server board Intel ASTOR-II server chassis 256 MB 100MHz SDRAM Memor 27.3 GB Three (3) 9.1 GB Ultra-2/LVD SCA

AMI MegaRaid 300 Raid 5 Controller 32MB RAM 40X Max SCSI CD-ROM, 3.5" Floppy Drive Five Hot-Swap SCA SCSI drive bays

tegrated Dual Channel (1) Ultra-2/LVD, (1) Ultra-wide Controller intel® EtherExpress PRO/100+ LAN Controller On-board PCI 2MB Video Adapter Intel® rew Emergency Management Port (EMP)

On-board Management controller and Intel® Server Control External 56K v.90 Fax/Modem //or 104-key PS/2 Keyboard & PS/2 Mouse 3-year parts, 3-year on-site warranty



1-800-551-1198 Intel® Server Solutions





## SUPER-7 AGP Motherboards with 100MHz BUS VA-503+ PA-2013 VA-503A **\$1598 TRINITY 100** ASUS PSA \$95 s94 /ISUS VVA Apollo MVP3 AGPset WA Apollo MVP3 + Syner South Chinest VIA Apollo MVP3 AGPset 100MHz BUS Speed · All M1541 Aleddin V AGPset. . 100MHz BUS Speed · 100MHz BUS Speed 1MB Pipeline Burst Cache, IDE Litra S1590 P5AR . 100MHz BUS Speed 1MB Pipeline Burst Cache Baby AT Size: 9.2" x 8.6" 1MB Pipeline Burst Cach DMA/66 Integrated Audio/DirectSound audio . IMB Pipeline Burst Cachi 512K Pipeline Burst Cache \$88 591 · AMR (Audio/Modern Riser) ATX Form Factor: 12.2" x 8.12 **IDE ULTRA DMA66** ATX Form Factor: 8.3" x 12.0 AMD K5-2 3DNOW Technology AMD K8-2 3DNOW Technology Baby AT Size: 8.5" x 9.5" TRINITY ATX: 12.0" x 8.3" AMD K6-2 3DNOW Technology 145 KB-2:500 86-2500 AMD K6-2 3DNOW Technology AMD K8-2 3DNOW Technology K6-2550 159/199 199 K6-2 500/550 169/200 108-2.550 209 AMD Athlon K7" Motherboards SD-11-K7 GA-7IXE KZV KZM S2380 TRINITY \$119 \$129 (F s129 \$155 \$139 TY/AN • Support Single AMD Athlon K7 500-850+ • (1) AGP, (5) PCI, (2) ISA slots • ATX Size: 9.6" x 12.0" IGHZ \$100 Support Single AMD Athlon K7 500-850+ Support Single AMD Athlon K7 500-850+ (1) AGP, (5) PCI, (1) AMR slots Support Single AMD Amion K7 500-850+ (1) AGP, (5) PCI, (1) ISA slots ATX Size: 9.6" x 12.0" 10HZ \$10 Support Single AMD Athlan K7 500-850+ • (1) AGP, (6) PCI, (1) ISA slots • ATX Size: 8.2" x 12.0" ITLAGP, ISLPCL (ILLISA slots) 1GHZ \$1059 ATX Form Factor: 9.6" x 12.0" 16HZ \$1689 1GHZ \$1089 AMD Athlen K7\*\* w/3DNOW Technology Athlen K7\*\* 700/750/800MHz \_\_319/349/409 AMD Athlon K7™ w/3DNOW Technology AMD Athlon K7™ w/3DNOW Technology AMD Athlon K7™ w/3DNOW Technology AMD Athlon K7\*\* w/3DNOW Technology Athlon K7\*\* 700/750/300MHz \_\_\_349/379/439 Athlon K7\*\* 850/900/950MHz \_\_\_529/859/839 Athlon K7\*\* 700/750/800MHz .... 309/345/409 Athlon K7\*\* 850/900/950MHz .... 499/529/809 Athlon K71\*\* 700/750/800MHz .... 349/379/439 Athlon K71\*\* 850/900/950MHz .... 539/659/849 Amlen K7<sup>TH</sup> 700/750/800MHz .... 299/329/385 Athlon K7" 850/900/950MHz 479/599/789 Alhion K7 \*\* 850/900/950MHz Intel® Pentium-III 133MHz FSB and Dual Intel® P-III Motherboards 1854-S TRINITY VC820 W/sound PGBAT-A+ PGVAP-A+ 1834-D TIGER s97 intel RAMBUS \$155 T/AN \$79 \$109 TX/AN \$169 VIA Apollo Pro 133A Chipset SUPPORT Single Stot 1/Socket 370 CPU 133MHz FSB (Front System Bus) ATX Form Fector: 12.0" x 8.3" Intel<sup>®</sup> (820 (Cemino) Chip · VIA Apollo Pro 133A Chipset VM Apollo Pm 133A Chinset VIA Apollo Pro 133A Chipset SUPPORT DUAL Slot 1 SUPPORT Single Slot 1 CPU 133MHz FSB (Front System Bus) Two 184-pin RIMM Sockets SUPPORT Single Slot 1/Socket 370 CPU 133MHz FSB (Front System Bus) SUPPORT Single Slot 1/Socket 370 CPU 133MHz FSB (Front System Bus) 133MHz FSB (Front System Bus) . ATX Form Factor: 12.2" x 8.8" \* ATX Form Factor: 12.2" x 8.8" (4) 168-pin DIMM sockets \* Build-in PCI 3D Stereo Sound Intel®Pentium®III Processor 133FSB ATX Form Factor: 12.0" x 8.2" Intel®Pentium®III Processor 133FSB Intel®Pentium®III Processor 133FSB Intel®Pentium®III Processor 133FSB 667/733MHz ... 339/369 867/733MHz Intel®Pentium®III Processor B00/866/933MHz 469/659/919 667/733/800MHz ...... 400/440 800/866/933MHz 439/629/865 800/866/933MHz ...... 449/659/909 667/733/800MHz ...... 866/933MHz ... 519/719/979 Intel®Celeron® Processor was 128K Cache Intel®Coloron® Processor win toxx cache 886/933MHz SUPPORT DUAL PENTIUM-NI 133FSB CPUs Intel®Pentium®III Processor 566/600/633/700MHz ..... 1 Intel®Pentium®III Processor 199/209/239/309 209/229/249/319 Intel®Pentium®III Processor 650/700/750MHz ..... (2) 667/733MHz... 689/749 399/429/469 Intel®Pentium®III Processor (2) 800/866MHz .... 650/700/750MHz ..... 879/1279 650/700/750MHz ...... 800/850MHz ... 499/599 (2) 933MHz .... 459/649 800/850MHz ... .. 429/619 800/850MHz ... 439/639 CUV4X P3V-133 P3V4X PIIIDME S2257 THUNDER \$125 \$95 \$125 /ISUS /ISUS /ISUS SUPERMICRO \$335 TX/AN VIA Apollo Pro 133A Chipsel SUPPORT Single Slot 1 CPU 133MHz FSB (Front System Bus) VIA 694v/694z Chinsa VIA Apollo Pro 133A Chipset • Intel® IS40 Carmel Chi SUPPORT Single Slot 1 CPU 133MHz FSB (Front System Bus) SUPPORT Single FCPGA CPU 133MHz FSB (Front System Bus) Support Dual Intel PNI 500-850+ MHz \* Support Dual Intel PIN 500-850+ MHz \* 133/100MHz FSB . Adapted Ultra2 SCST and NIC on-board 3) 168-pin DIMM socks 168-pin DIMM sockets (3) 166-pin DIMM socks ATX size: 12.0" x 11.5" 133/100MHz FSB ATX Form Factor: 12.0" x 8.2" ATX Form Factor: 12.0" x 7.55" · ATX Form Factor: 12.0" x 7.55" Intel®Pentium®III Processor 133FSB Intel®Pentium®III Processor 133FSB Intel®Pentium®III Processor 133FSB Intel®Pentium®III Processor 133FSB 599/639 Intel®Pentium®III Processor 133FSB 667/733MHz \_\_\_\_ 379/419 667/733MHz ... 800/866MHz 699/899 667/733MHz 839/879 800/866/933MHz 489/689/949 800/866MHz ... 800/866MHz 800/866MHz ..... 459/659 933MHz .. 1149 .... 939/1139 933MHz .... Intel®Celeron® Processor was 128K Cache 933MHz ... ... 1055 939 SUPPORT DUAL PENTIUM-IN 133FSB CPUs 933MHz 1399 SUPPORT DUAL PENTIUM-NI 133FSB CPUs 566/600/633/700MHz \_\_\_\_ .. 239/259/289/359 Intel®Pentium®III Processor Intel®Pentium®III Processor (2) 667/733MHz 849/929 Intel®Pentium®III Processor 650/700MHz (2) 667/733MHz 359/399 (2) 800MHz ... ... 1059 379/399/439 650/700/750MHz .... 750/800MHz 399/449 750/800MHz 800/850MHz 639 850MHz. 659 (2) 933MHz 1979 PEDBE P6DBS PEDBU PIIIDM3 SUPERMICRO \$169 SUPERMICRO \$339 SUPERMICRO \$399 SUPERMICR \$565 Intel® 440BX Chipset (enabling AGP) • Intel® 440BX Chipset (enabling AGP) Intel® 440BX Chipset (enabling AGP) Support Dual Intel PN 500-850+ MHz Adapte: Ultra 160 SCSI on-board Latest Intel®Pentium®III Processor Intel®Pentium®III Processor Intel®Pentium®III Processor 650/700/750MHz . 419/449/489 650/700/750MHz 650/700/750MHz 609/639/679 669/699/729 133/100MHz FSB SUPPORT DUAL PENTIUM-III CPUs SUPPORT DUAL PENTIUM-III CPUs SUPPORT DUAL PENTIUM-III CPUs (2) 650/700/750MHz (2) 650/700/750MHz ... (2) 650/700/750MHz ...... Speeds, Intel®Pentium®III Processor 133FSB PEDGS PEDGU 667/733MHz 800/966MHz ...... 929/1129 SUPERMICR® \$225 SUPERMICRO \$389 SUPERMICRO \$435 933MHz Intel® 440GX Chipser (enabling AGP) Adapter AIG 7895 UWde Dual SCSI on-board Lowest Intel® 440GX Chipset (enabling AGP) SUPPORT 100MHz PC SDRAM memory Intel® 440GX Chipset (enabling AGP) Adaptec 7890 Ultra-2 Wide SCSI on-board controller 80MB/s transfer rate SUPPORT DUAL PENTIUM-III 133FSB CPUs (2) 667/733MHz ...... 1079/1159 SUPPORT 100MHz PC SDRAM memory · ATX size SUPPORT 100MHz PC SDRAM memory. Intel®Pentium®III Processor (2) 866MHz 1689 Prices! Intel®Pentium®III Processor 650/700/750MHz ..... 650/700/750MHz 479/499/539 (2) 933MHz SUPPORT DUAL PENTIUM-III CPUS Intel®Pentium®III Processor ... 649/679/709 ZWEWS 3 SUPPORT DUAL PENTIUM-IN CPUS (2) 650/700MHz 719/779/849 650/200/2500045 699/719/759 SUPPORT DUAL PENTIUM-III CPUS 849 (2) 650/700/750MHz ... . 889/949/999 7133MHz FSB Pentium® XEON Motherboards Visit us Online for a SUPERMICRO \$309 SUPERMICRO \$475 SUPERMICR® \$509 SUPERMICE \$690 complete selection @ S2DGE XEON S2DGU XEON S2DG-2 XEON S2DM-3 XEON www.micropro.com 530MHz Intel Pentium® III XEON =312x ... 1279 700MHz Intel Pentium® II XEON =110x ... 1819 550MHz DUAL Pentium® II XEON =110x ... 2459 700MHz DUAL Pentium® III XEON =110x ... 2439 550MHz Intel Pentium® II XEON wisto. .... 1289 700MHz Intel Pentium® II XEON wise. .... 1609 550MHz Intel Pentium® II XEON worze 1449 700MHz Intel Pentium® II XEON wine 1779 667MHz Intel Pentium® III XEON with .... 733MHz Intel Pentium® III XEON across 1249 550MHz BUAL Pentium® (II XEON water \_ 2259 550MHz DUAL Pentium® III XEON worzx - 2399 700MHz BUAL Pentium® ill XEON wow 2929 700MHz DUAL Pentium® III XEON white AUGUST 2000 COMPUTER SHOPPER All prices subject to change without notice. Previous Sales Excluded. Local & International . (216) 661-7218 . Fax: (216) 661-2454 HOURS: Mon-Fri 9 am-9 pm • Saturday 10 am-5pm • Sunday Noon-5 pm (est)

	CPU'S
INT	Celeron PPGA s370 processor Hz Intel®Celeron witzak came
Intel®	Celeron PPGA s370 processor
566M	Hz Intel®Celeron w128K cache
600M	Hz Intel®Celeron wrt28K cache
633M	Hz Intel®Celeron w128K cache
667M	Hz Intel®Celeron w128K cache 189
700M	Hz Intel®Celeron wrzsk cache
Intel	SPentium** III processor
	Hz Pentium Thi III processor 256K cache 265
	Hz Pentium™ III processor 256K cache 299
800M	Hz Pentium <sup>TM</sup> III processor 256K cache 359
	Hz Pentium™ III processor 256K cache 529
	Pentium™ III 133MHz FSB
	Hz Pentium <sup>TM</sup> III processor 256K cache 235
	Hz Pentium <sup>TM</sup> III processor 256K cache 275
	Hz Pentium™ III processor 256K cache
	Hz Pentium™ III processor 256K cache 550 Hz Pentium™ III processor 256K cache 765
	Pentium™ XEON processor
	Hz Pentium™ III XEON w/512K cache
	Hz Pentium™ III XEON w/256K cache
	Hz Pentium™ III XEON w/tMB cache 1399
	Hz Pentium™ III XEDN w/256K cache 599
20000	2 500MHz with 3DNOW Technology
KETH.	2 550MHz with 3DNOW Technology 99
AMI	0 K7
Athlon	K7™ 700MHz
	K7*M 750MHz
Athlon	K7TM 800MHz
	K7TM 850MHz
Athlor	K7™ 900MHz469
	K7TM 950MHz 649
Athlor	K7TM 1 GHz
	HARD DRIVES
	CTOR Mepdor
IDE	UDMA-4 66.6MB/s Drives 5400RPM
	8 UDMA-4 66.6MB/s 3.5" 9ms
	SB UDMA-4 88.8MB/s 3.5" 9ms
	B UDMA-4 65 6WB/s 3.5" 9ms
	B UDMA-4 66 6MB/s 3.5" 9ms 209
	B UDMA-4 66.6MB/s 3.5" 9ms 279
	UDMA-4 66.6M8/s Drives 7200RPM
	B UDMA-4 66.8MB/s 3.5" 9ms 115
	SB UDMA-4 66.6MB/s 3.5* 9ms 155
	SB UDMA-4 66.6MB/s 3.5* 9ms 195
	3B UDMA-4 86.6MB/s 3.5* 9ms
	GATE Ultra-160 (LVD) SOSI @ Seagate
	3B ST39236LW Barracuda XI, 5,8ms 7200 FPW 239
	ST318436LW Barracuda XL 5.8ms 7200 RPM 349
	GB ST39204LW Cheetah XL 5.2ms tok RPM 339
	ST318404LW Cheetah XL 5.2ms tok RPM
	ST336704LW Cheetah XP 6.2ms 10K RPM 839
73 GB	ST173404LW Cheetsh-73 5 6ms 10K RPM 1425
SEA	GATE 15000RPM Ultra-150 SCSI
	ST318451LW Cheetah-X15 3.5ms 15K RPM CALL
IBM	UltraStar 18ES unra-2 (LVD) SCSI
	38 LVD Ultra-2 3.5, 7.5ms 7200 RPM 209
9.1 (	SB LVD Ultra-2 3.5, 7.5ms 7200 RPM

	FLOPPY DRIVES
MITSUMI 1	1.44MB, 3.5" MITSUMI 14
TEAC 1.44	
SuperDist	k 120MB, 3.5" w/media
	NETWORKING
	2000 PCI 10/100MBs 10Base-T 12
	-530TX PCI 10/100MBs 10Base-T 18
	press Pro 100 PCI 10Base-T
	58-TXMM PCI 10/100 Retail Package 85 5C-TXM w/wake PCI 10/100 Retail Pkg . 99
	ort 10MBs network hub
	port 10MBs network hub
	ort 10/100MBs Qual speed network hub 79
Phoebe 16-p	port 10/100MBs Dual speed network hub 145
D-LINK 8-po	ort 10/100MBs Dual speed network hub 99
D-LINK 16-p	ort 10/100MBs Dual speed network hub 199
	ULTIMEDIA DRIVES
	M DRIVES
52X Internal	
	X Internal IDE
TOSHIBA 40	X Internal SCSI
	DABLES/REWRITEABLES
MITSUMI 48	04TE 4X/4X/24X CDRIV, IDE Retail Pkg 185
HP 9100i ax	40/32X CDR-W, IDE Retail Package
	400/32X CDR-W, SCSI Retail Package
	040/32X COR-W, IDE Retail Package
	4X/32 CDR-W, IDE Retail Package
DVD CD	s 8X Drx3 Encore PC-DVO Retail kit 199
	on BrandName 10X Internal Drive IDE 135
	on BrandName 16X Internal Drive IDE 155
Ord delicitud	MODEMS
PHOEB	
Service of the service of the service of	Internal Face/Modern whoice
	Internal Fax/Modern whoice
	emal Fax/Modern w/yoice
	MCIA Fav/Modern 53
	B External Pocket Fax/Modern
зсом	0 / 56K F/M wis voice Internal Retail 3Con. 109
	0 / 56K F/M wis voice Internal Rebail
	nModem V.90 / 56K F/M wis loice Retail 78
	nModern V.90 / 56K F/M wyolce Retai 139
	al V.90 / 56K F/M w/s vaice Retail
	al USB V.90 / 56K F/M w/voice Retail 175
A STATE OF THE PARTY OF THE PAR	TAPE BACKUPS &
	REMOVEABLES
SEAGAT	
8.0 GB STT2	8000A-M IDE (white box) no tape 165
8.0 GB STT2	8000N-M SCSI (white box) no tage 189
	n formated tape
20.0 GB STT	220000A-M IDE (white box) no tape 209
	220000N-M SCSI (white box) no tape 259
	1 formated tape
CONTRACTOR AND DESCRIPTION OF THE PERSON OF	8000N-RFT SCSI (retail) with tape 209
8.0 GB STT2	
8.0 GB STT2 20.0 GB STT	220000A-RFT IDE (retail) with tape 239
8.0 GB STT2 20.0 GB STT 20.0 GB STT	220000N-RFT SCSI (retail) with tape 289
8.0 GB STT2 20.0 GB STT 20.0 GB STT	220000N-RFT SCSI (retail) with tape 289
8.0 GB STT2 20.0 GB STT: 20.0 GB STT: 100MEGA 100MB ZP D	220000N-RFT SCSI (retail) with tape 289 inve, EIDE, Internal
8.0 GB STT2 20.0 GB STT: 20.0 GB STT: 100MB ZIP D 100MB ZIP D 100MB ZIP D 100MB ZIP D	220000N-RFT SCSI ortall with tape         289           iornega         55           lirive, EIDE, Internal         55           lirive, SCSI, Internal         85           lirive, External printer port         95
8.0 GB STT2 20.0 GB STT: 20.0 GB STT: 100MEGA 100MB ZIP D 100MB ZIP D 100MB ZIP D	220000N-RFT SCSI (retail) with tape 289 iomega trive, EIDE, Internal

MONITORS (3 YR WAR	RANTY)
15" SVGA .28mm Digital NI	129
17" SVGA .27mm 1280x1024 NI	179
19" SVGA .26mm 1600x1280 NI	279
21" SVGA .26mm 1600x1280 NI	599
PRINCETON GRAPHICS ULTRA 72e 17" .27mm 1280x1024 NI	PRINCETON'
ULTBA 72e 17" 27mm 1280x1024 NI	179
ULTRA 75e 17" .27mm 1280x1024 NI	199
ULTRA 95e 19" .26mm 1600x1280 NI	200
KEYBOARDS / M	ICE
105 Key Windows Enhanced AT or PS/3	ICE
103 Key Fa hay Multimedia determined PC	
124 Key Ez-key Multimedia/Internet PS	VZ 19
FOCUS 2001 (widust cover) PS/2	23
FOCUS 8200 (programmable & built-in calcul	
FOCUS 9200 (programmable-built-in calcular	
Microsoft Internet Pro Keyboard	
Microsoft Intellimouse PS/2	25
Logitech MouseMan 3-Button PS/2	16
Logitech FirstMouse with Wheel PS/2	21
Logitech Marble Mouse Trackball PS/2	
SOUND BOARD	S
CREATIVE LABS	CREATIVE
Sound Blaster 512 PCI PnP Retail Package	
Sound Blaster Live! PLATINUM RETAIL PACE	
UPGRADE KIT	
3D Full Duplex Stereo Sound Card, 80w Stere	
155 CO Titles with Encyclopadia & Stereo Mir	vendone
50X CD-ROM IDE	65
48X Toshiba CD-ROM IDE	89
The state of the s	
GRAPHICS ADAPT	ERS
GRAPHICS ADAPT	
SIS Video Cards	
SIS Video Cards SIS 3D 4MB EDO DRAM PCI SIS 3D 8MB SDRAM AGP ATI TECHNOLOGIES All-in-Worder 128 16MB JAPP	27 35 135
SIS Video Cards SIS 3D 4MB EDO DRAM PCI SIS 3D 8MB SDRAM AGP ATI TECHNOLOGIES All-in-Worder 128 16MB JAPP	27 35 135
SIS Video Cards SIS 3D 4MB EDO DRAM PCI SIS 3D 8MB SDRAM AGP ATI TECHNOLOGIES All-in-Worder 128 16MB JAPP	27 35 135
SIS Video Cards SIS 30 AMB E00 DRAM PCI SIS 30 8MB SDRAM AGP ATI TECHNOLOGIES All-in-Wooder 128 16MB (AGP) All-in-Wooder 128 32MB (AWR) Rage Fury AGP 32MB (AWR) tv out) Rage Fury-MAOX AGP 64MB (with tv out)	27 35 135 189 105
SIS Video Cards SIS 3D 4MB E00 DRAM PCI SIS 3D 8MB SDRAM AGP ATI TECHNOLOGIES All-in-Wonder 128 16MB (ADP) Rage Fury AGP S2MB (ADP) Rage Fury-MAOX AGP 64MB (with TV OUT) 3DFX / STB	27 35 40 135 189 105 165
SIS Video Cards SIS 3D 4MB EDO DRAM PCI SIS 3D 8MB SDRAM AGP ATI TECHNOLOGIES All-in-Wonder 128 16MB (AGP) Rage Fury AGP S2MB (AGP) Rage Fury MADX AGP 64MB (with TV OUT) 3DFX / STB 3dfx Voodoo-3 3000 16MB SDRAM 166MF	27 35 35 135 189 105 105 165
SIS Video Cards SIS 3D 4MB EDO DRAM PCI SIS 3D 8MB SDRAM AGP ATT TECHNOLOGIES All-in-Wonder 128 32MB (AGP) Rage Fury AGP 32MB (with TV out) Rage Fury MADO: AGP 64MB (with TV out) 3DFX / STB 3dfx Voodou-3 3000 16MB SDRAM 166MF 3dfx Voodou-3 3500 16MB SGRAM 183MF	27 35 35 135 189 105 105 105 12 without 109 12 without 169
SIS VICEO CARDS SIS 3D 4MB EDO DRAM PCI SIS 3D 8MB SDRAM AGP ATT TECHNOLOGIES ATI-IN-Wonder 128 32MB (AGP) Rage Fury AGP 52MB (WERT VOUT) Rage Fury-MADC AGP 64MB (WERT VOUT) 3DFX / STB 3dfx Voodoo-3 3000 16MB SDRAM 166MB 3dfx Voodoo-3 3500 16MB SGRAM 183MB 3dfx Voodoo-5 5500 64MB 350MHz RAMIDS	27 35 35 135 189 105 105 105 12 without 109 12 without 169
SIS VICEO CARCES SIS 3D AMB EDO DRAM PCI SIS 3D 8MB SDRAM AGP ATT TECHNOLOGIES All-in-Wonder 128 3CMB (AGP) Rage Fury AGP 32MB (with TV OUT) Rage Fury -MADO: AGP 64MB (with TV OUT) 3DFX / STB 3dfx Woodoo-3 3000 16MB SDRAM 166MF 3dfx Woodoo-3 3500 16MB SGRAM 183MF 3dfx Woodoo-3 5500 64MB 350MHz RAMED GUILLEMOT	27 35 35 35 189 105 105 165 22 279 12 279 007 169 23 279 24 279 007 279 26 Guillemot
SIS VICEO CARDS SIS 3D 4MB EDO DRAM PCI SIS 3D 8MB SDRAM AGP ATT TECHNOLOGIES ATI-IN-Wonder 128 32MB (AGP) Rage Fury AGP 52MB (WERT VOUT) Rage Fury-MADC AGP 64MB (WERT VOUT) 3DFX / STB 3dfx Voodoo-3 3000 16MB SDRAM 166MB 3dfx Voodoo-3 3500 16MB SGRAM 183MB 3dfx Voodoo-5 5500 64MB 350MHz RAMIDS	27 35 35 35 189 105 105 165 22 279 12 279 007 169 23 279 24 279 007 279 26 Guillemot
SIS VICEO CARCES SIS 3D AMB EDO DRAM PCI SIS 3D 8MB SDRAM AGP ATT TECHNOLOGIES All-in-Wonder 128 3CMB (AGP) Rage Fury AGP 32MB (with TV OUT) Rage Fury -MADO: AGP 64MB (with TV OUT) 3DFX / STB 3dfx Woodoo-3 3000 16MB SDRAM 166MF 3dfx Woodoo-3 3500 16MB SGRAM 183MF 3dfx Woodoo-3 5500 64MB 350MHz RAMED GUILLEMOT	27 35 35 31 38 139 189 105 105 165 2107 22 279 24 Guillemot us (ASP) 48
SIS VICEO CARCES SIS 3D 4MB EDO DRAM PCI SIS 3D 8MB SDRAM AGP ATI TECHNOLOGIES All-in-Wonder 128 3CMB (AGP) Rage Fury AGP 32MB (With TV OUT) Rage Fury-MAVX AGP 64MB (with TV OUT) 3DFX / STB 3dfx Woodo-3 3500 16MB SDRAM 166MF 3dfx Woodo-3 3500 16MB SGRAM 183MF 3dfx Woodo-3 5500 64MB 350MHz RAMES GUILLEMOT MaviGamer Phoenix-2 nVidia TNT-2 Vanfa s	27 35 31 135 189 105 105 165 22 WYVOUT 169 24 WYVOUT 169 25 GEP 279 25 Guillemot 48 8688 WEP 48 648
SIS VICEO CARCES SIS 3D 4MB EDO DRAM PCI SIS 3D 8MB SDRAM AGP ATI TECHNOLOGIES All-in-Wonder 128 32MB µap MI-in-Wonder 128 32MB µap Rage Fury AGP 32MB (with tV out) Rage Fury-MAOX AGP 64MB (with tV out) 3DFX / STB 3dfx Voodoo-3 3500 16MB SDRAM 166MF 3dfx Voodoo-3 3500 16MB SGRAM 183MB 3dfx Voodoo-3 5500 64MB 350MHz ####################################	27 35 36 135 189 105 105 165 22 WYOUT 109 42 WYOUT 109 42 WYOUT 169 42 WYOUT 169 42 WYOUT 169 48 WES 279 48 GUISHENOL MES (MES)
SIS Video Cards SIS 30 AMB EDO DRAM PCI SIS 30 AMB EDO DRAM PCI SIS 30 8MB SDRAM AGP ATI TECHNOLOGIES ATI-IN-Wooder 128 16MB (AGP) Rage Fury AGP 32MB (AWR) Rage Fury AGP 32MB (AWR) Rage Fury-MADOX AGP 64MB (AWR) SDFX / STB 3dfx Woodoo-3 3000 16MB SDRAM 166MP 3dfx Woodoo-3 3000 16MB SDRAM 166MP 3dfx Woodoo-3 5500 6MB SGRAM 183MP 3dfx Woodoo-3 5700 6MB SGRAM 183MP 3	27 35 35 135 189 105 105 165 22 WYVOUT 109 42 WYVOUT 169 CASP 279 CASP 289 48 (ASP) 48 (ASP) 64 (ASP) 79 48 (ASP) 139
SIS Video Cards SIS 3D 4MB ED0 DRAM PCI SIS 3D 4MB ED0 DRAM PCI SIS 3D 8MB SDRAM AGP ATI TECHNOLOGIES AII-in-Wooder 128 16MB (ADP) Rage Fury AGP 32MB (AWR) Rage Fury-MADX AGP 64MB (With TV OUT) 3DFX / STB 3dfx Voodoo-3 3500 16MB SDRAM 166MF 3dfx Voodoo-3 3500 16MB SDRAM 166MF 3dfx Voodoo-3 5500 6MB SGRAM 183MF 3dfx Voodoo-3 5500	27 35 135 189 105 105 165 22 w/Y 0UT 109 42 w/Y 0UT 169 642 W/Y 0UT 169 649 279 48 (46) 48 608 (46) 64 46) 79 46 (46) 139 69 w/Y 0UT 169
SIS VICIO CARDS SIS 30 AMB EDO DRAM PCI SIS 30 SMB SDRAM AGP ATT TECHNOLOGIES ATI-IN-Wonder 128 32MB (AGP) Rage Fury AGP 52MB (AGP) Rage Fury AGP 52MB (AGP) Rage Fury -MACK AGP 64MB (AGE) 3DFX / STB 3dfx Voodoo-3 3000 16MB SGRAM 183MF 3dfx Voodoo-3 3500 16MB SGRAM 183MF 3dfx Voodoo-3 3500 16MB SGRAM 183MF 3dfx Voodoo-5 5500 64MB 350MHz RAMIDE GUILLEMOT MAXIGAMER Phoenix-2 niVidia TNT-2 Vanfa 18 MAXIGAMER Phoenix-2 niVidia TNT-2 Vanfa 18 MAXIGAMER Cougar niVidia TNT-2 VANFa 18 3D Prophet SGR NiVidia GEForce-256 32MB (AGE) 3D Prophet SGR NIVIdia GEFORC-256 32MB (AGE) 3D Prophet SGR NIVIDIA GEFORC-256 32MB (AGE)	27 35 35 189 105 105 165 22 WTV OUT 109 42 WTV OUT 169 64 WTV OUT 169 189 WFP 139 189 WFP UUT 169 189 WFP UUT 169 189 WFP UUT 169 189 WFP UUT 169
SIS VICIO CARCES SIS 30 AMB EDO DRAM PCI SIS 30 SMB SDRAM AGP ATT TECHÍNOLOGIES All-in-Wonder 128 3CMB (AGP) Rage Fury AGP 32MB (With TV OUT) Rage Fury AGP 32MB (With TV OUT) BAGE FURY AGP 3000 16MB SDRAM 166MF 3dfx Woodoo-3 3500 16MB SDRAM 166MF 3dfx Woodoo-3 3500 16MB SDRAM 183MF 3dfx Woodoo-3 3500 16MB 350MHz RAMO GUILLEMOT MaxiGamer Phoenix-2 rividia TNT-2 Warta i MaxiGamer Phoenix-2 rividia TNT-2 Warta i MaxiGamer Cougar rividia TNT-2 Warta i DProphet-SE SDR NIVIdia GeForce-256 32MS 3D Prophet DDR-DM GeForce-256 32MS 3D Prophet DDR-DM GeForce-256 33MS	27 35 35 36 139 189 105 105 165 22 WYVOUT 109 22 WYVOUT 169 24 WYVOUT 169 26 GEP 279 26 Guillermot MS (ASP) 48 608 (ASP) 64 (ASP) 139 60P WYVOUT 169 WYVOUT 169 WYVOUT 239 WYVOUT 239
SIS VICIONO CARDAS SIS 30 AMB EDO DRAM PCI SIS 30 8MB SDRAM AGP ATT TECHNOLOGIES AII-in-Wonder 128 32MB (AGP) Rage Fury AGP 34MB (AGP) Rage Fury A	27 35 35 36 139 189 105 105 165 22 WYVOUT 109 22 WYVOUT 169 24 WYVOUT 169 26 GEP 279 26 Guillermot MS (ASP) 48 608 (ASP) 64 (ASP) 139 60P WYVOUT 169 WYVOUT 169 WYVOUT 239 WYVOUT 239
SIS VICIO CARCES SIS 30 AMB EDO DRAM PCI SIS 30 SMB SDRAM AGP ATT TECHÍNOLOGIES All-in-Wonder 128 3CMB (AGP) Rage Fury AGP 32MB (With TV OUT) Rage Fury AGP 32MB (With TV OUT) BAGE FURY AGP 3000 16MB SDRAM 166MF 3dfx Woodoo-3 3500 16MB SDRAM 166MF 3dfx Woodoo-3 3500 16MB SDRAM 183MF 3dfx Woodoo-3 3500 16MB 350MHz RAMO GUILLEMOT MaxiGamer Phoenix-2 rividia TNT-2 Warta i MaxiGamer Phoenix-2 rividia TNT-2 Warta i MaxiGamer Cougar rividia TNT-2 Warta i DProphet-SE SDR NIVIdia GeForce-256 32MS 3D Prophet DDR-DM GeForce-256 32MS 3D Prophet DDR-DM GeForce-256 33MS	27 35 35 36 139 189 105 105 165 22 WYVOUT 109 22 WYVOUT 169 24 WYVOUT 169 26 GEP 279 26 Guillermot MS (ASP) 48 608 (ASP) 64 (ASP) 139 60P WYVOUT 169 WYVOUT 169 WYVOUT 239 WYVOUT 239
SIS VICIONO CARDAS SIS 30 AMB EDO DRAM PCI SIS 30 8MB SDRAM AGP ATT TECHNOLOGIES AII-in-Wonder 128 32MB (AGP) Rage Fury AGP 34MB (AGP) Rage Fury A	27 35 35 189 105 105 165 22 WTV OUT 109 22 WTV OUT 169 24 WTV OUT 169 24 WTV OUT 169 25 WTV OUT 17 269 27 289 289 345
SIS VICIO CARDS SIS 30 AMB EDO DRAM PCI SIS 30 SMB SDRAM AGP ATT TECHNOLOGIES All-in-Wonder 128 16MB JAPP All-in-Wonder 128 32MB (ADP) Rage Furly AGP S2MB (With TV OUT) Rage Furly AGP S2MB (With TV OUT) 3DFX / STB 3dfx Woodoo-3 3000 16MB SDRAM 166MF 3dfx Woodoo-3 3000 16MB SDRAM 166MF 3dfx Woodoo-3 3500 16MB SDRAM 186MF 3dfx Woodoo-3 5500 6MB 350MHz RAMINE GUILLEMOT MaxiGamer Phoenix-2 rividia TNT-2 Varia is MaxiGamer Phoenix-2 rividia TNT-2 Varia is MaxiGamer Dougar rividia TNT-2 Varia is MaxiGamer Dougar rividia TNT-2 Varia is MaxiGamer Dougar rividia TNT-2 Waria is MaxiGamer Dougar rividia TNT-2 Waria is MaxiGamer Dougar rividia TNT-2 Varia is MaxiGamer Dougar rividia TNT-2	27 35 35 189 105 105 165 22 WTV OUT 109 22 WTV OUT 169 24 WTV OUT 169 24 WTV OUT 169 25 WTV OUT 17 269 27 289 289 345
SIS VICIO CARDS SIS 30 AMB EDO DRAM PCI SIS 30 SMB SDRAM AGP ATT TECHNOLOGIES AII-In-Wonder 128 32MB (AP) Rage Fury AGP 32MB (With TV OUT) Rage Fury AGP 32MB (With TV OUT) BACK / STB 30ft Voodoo-3 3000 16MB SDRAM 166MF 30ft Voodoo-3 3000 16MB SDRAM 166MF 30ft Voodoo-3 3000 16MB SDRAM 183MF 30ft Voodoo-3 3500 16MB 350MHz RAMINI GUILLEMOT MaxiGamer Phoenix-2 rividia TNT-2 Varia ii MaxiGamer Phoenix-2 rividia TNT-2 Varia ii MaxiGamer Cougar rividia TNT-2 Varia ii DProphet SDR rividia GeForce-256 32MB (AP) 30 Prophet SDR rividia GeForce-256 32MB (AP) 30 Prophet-II DDR GeForce-256 32MB (AP) 30 Prophet-II DDR GeForce-256 32MB (AP) MEMORY PC100 / 133 SDRAM (Liver 32MB 100 / 133MHz SDRAM, 7/8re	27 35 35 189 189 105 105 165 22 WTV OUT 169 24 WTV OUT 169 24 WTV OUT 169 24 WTV OUT 169 26 WS WSP 48 WSP 79 48 WSP 79 48 WSP 289 29 WTV OUT 169 29 WTV OUT 129 29 345
SIS VICIO CARCES SIS 30 AMB EDO DRAM PCI SIS 30 SMB SDRAM AGP ATT TECHÍNOLOGIES All-in-Wonder 128 3CMB (AGP) Rage Fury AGP 32MB (With TV OUT) Rage Fury AGP 32MB (With TV OUT) BACK / STE AGK WOODO-3 3000 16MB SDRAM 166MF 3dfx Woodoo-3 3000 16MB SDRAM 166MF 3dfx Woodoo-3 3500 16MB SDRAM 186MF 3dfx Woodoo-3 3500 16MB 350MHz RAMED GUILLEMOT MaxiGamer Phoenix-2 rividia TNT-2 Warts i MaxiGamer Phoenix-2 rividia TNT-2 Varts i MaxiGamer Cougar rividia TNT-2 Warts i Drophet-SE SDR rividia Geforce-256 32MS (AGR) 3D Prophet-SE SDR rividia Geforce-256 32MS (AGR) 3D Prophet-II DDR GEFORCE-256 32MS (AGR)	27 35 36 189 189 105 105 165 22 WITVOUT 109 22 WITVOUT 169 24 WITVOUT 169 26 WEP 48 808 WEP 64 WEP 139 WEP WITVOUT 169 WITVOUT 169 WITVOUT 169 WITVOUT 239 WITVOUT 239 WITVOUT 239 WITVOUT 239 WITVOUT 345 WITTOUT CALL
SIS VICIO CARCES SIS 30 AMB EDO DRAM PCI SIS 30 SMB SDRAM AGP ATT TECHÍNOLOGIES All-in-Wonder 128 3CMB (AGP) Rage Fury AGP 32MB (With TV OUT) Rage Fury AGP 32MB (With TV OUT) Rage Fury-MADO: AGP 64MB (with TV OUT) 3DFX / STB 3dfx Woodoo-3 3500 16MB SDRAM 166MF 3dfx Woodoo-3 3500 16MB SDRAM 183MF 3dfx Woodoo-3 3500 16MB SDRAM 183MF 3dfx Woodoo-3 3500 16MB SGRAM 183MF 3dfx Woodoo-3 5500 64MB 350MHz RAMO GUILLEMOT MaxiGamer Phoenix-2 rividia TNT-2 Warfa i MaxiGamer Phoenix-2 rividia TNT-2 Warfa i MaxiGamer Coupar rividia TNT-2 Warfa i MaxiGamer Coupar rividia TNT-2 Warfa i MaxiGamer Coupar rividia TNT-2 Sams (AGP) 30 Prophet-SE SDR Middla GeForce-256 32MB (AGP) 30 Prophet-II DDR GEFORCE-256 32MB (AGP)	27 35 36 189 189 105 105 165 22 WIT OUT 169 24 WIT OUT 169 24 WIT OUT 169 25 WIT OUT 169 26 WE 279 279 26 Guillemot MS (MS) 64 MS) 64 MS (MS) 139 MS (MS) 139 MS (MS) 239 MS (MS) 345 MS (MS) 345 MS (MS) 345 MS (MS) 169 MT (
SIS VICIO CARCES SIS 30 AMB EDO DRAM PCI SIS 30 SMB SDRAM AGP ATT TECHÍNOLOGIES All-in-Wonder 128 3CMB (AGP) Rage Fury AGP 32MB (With TV OUT) Rage Fury AGP 32MB (With TV OUT) BACK / STE AGK WOODO-3 3000 16MB SDRAM 166MF 3dfx Woodoo-3 3000 16MB SDRAM 166MF 3dfx Woodoo-3 3500 16MB SDRAM 186MF 3dfx Woodoo-3 3500 16MB 350MHz RAMED GUILLEMOT MaxiGamer Phoenix-2 rividia TNT-2 Warts i MaxiGamer Phoenix-2 rividia TNT-2 Varts i MaxiGamer Cougar rividia TNT-2 Warts i Drophet-SE SDR rividia Geforce-256 32MS (AGR) 3D Prophet-SE SDR rividia Geforce-256 32MS (AGR) 3D Prophet-II DDR GEFORCE-256 32MS (AGR)	27 35 36 189 189 105 105 165 22 WITVOUT 109 22 WITVOUT 169 24 WITVOUT 169 26 WEP 48 808 WEP 64 WEP 139 WEP WITVOUT 169 WITVOUT 169 WITVOUT 169 WITVOUT 239 WITVOUT 239 WITVOUT 239 WITVOUT 239 WITVOUT 345 WITTOUT CALL
SIS VICIO CARCES SIS 30 AMB EDO DRAM PCI SIS 30 SMB SDRAM AGP ATT TECHÍNOLOGIES All-in-Wonder 128 3CMB (AGP) Rage Fury AGP 32MB (With TV OUT) Rage Fury AGP 32MB (With TV OUT) Rage Fury-MADO: AGP 64MB (with TV OUT) 3DFX / STB 3dfx Woodoo-3 3500 16MB SDRAM 166MF 3dfx Woodoo-3 3500 16MB SDRAM 183MF 3dfx Woodoo-3 3500 16MB SDRAM 183MF 3dfx Woodoo-3 3500 16MB SGRAM 183MF 3dfx Woodoo-3 5500 64MB 350MHz RAMO GUILLEMOT MaxiGamer Phoenix-2 rividia TNT-2 Warfa i MaxiGamer Phoenix-2 rividia TNT-2 Warfa i MaxiGamer Coupar rividia TNT-2 Warfa i MaxiGamer Coupar rividia TNT-2 Warfa i MaxiGamer Coupar rividia TNT-2 Sams (AGP) 30 Prophet-SE SDR Middla GeForce-256 32MB (AGP) 30 Prophet-II DDR GEFORCE-256 32MB (AGP)	27 35 36 189 189 105 105 165 22 WIT OUT 169 24 WIT OUT 169 24 WIT OUT 169 25 WIT OUT 169 26 WE 279 279 26 Guillemot MS (MS) 64 MS) 64 MS (MS) 139 MS (MS) 139 MS (MS) 239 MS (MS) 345 MS (MS) 345 MS (MS) 345 MS (MS) 169 MT (
SIS VICIO CARCES SIS 30 AMB EDO DRAM PCI SIS 30 SMB SDRAM AGP ATT TECHÍNOLOGIES AH-In-Wonder 128 3CMB (AGP) All-in-Wonder 128 3CMB (AGP) Rage Fury AGP 32MB (With TV OUT) Rage Fury AGP 32MB (With TV OUT) 3DFX / STB 3dfx Woodoo-3 3500 16MB SDRAM 166MF 3dfx Woodoo-3 3500 16MB SDRAM 166MF 3dfx Woodoo-3 3500 16MB SDRAM 186MF 3dfx Woodoo-3 3500 16MB 350MHz RAMAD GUILLEMOT MaxiGamer Phoenix-2 rividia TNT-2 Warta i MaxiGamer Phoenix-2 rividia TNT-2 Warta i MaxiGamer Cougar rividia TNT-2 Warta i MaxiGamer Cougar rividia TNT-2 Warta i MaxiGamer Dougar Rividia Geforce-256 32MB 30 Prophet-SIE SDR NIVIdia Geforce-256 32MB 30 Prophet-II DDR Geforce-256 33MB 30 Prophet-II DDR Geforce-256	27 35 36 189 189 105 105 165 22 WIT OUT 169 24 WIT OUT 169 24 WIT OUT 169 25 WIT OUT 169 26 WE 279 279 26 Guillemot MS (MS) 64 MS) 64 MS (MS) 139 MS (MS) 139 MS (MS) 239 MS (MS) 345 MS (MS) 345 MS (MS) 345 MS (MS) 169 MT (
SIS VICIO CARCES SIS 30 AMB EDO DRAM PCI SIS 30 SMB SDRAM AGP ATT TECHNOLOGIES All-in-Wonder 128 32MB (AGP) All-in-Wonder 128 32MB (AGP) Rage Fury-MADO: AGP 64MB (AGP) Rage Fury-MADO: AGP 64MB (AGR) Rage Fury-MADO: AGP 64MB (AGR) 3db: Woodoo-3 3500 16MB SDRAM 166MP 3db: Woodoo-3 3500 16MB SDRAM 166MP 3db: Woodoo-3 3500 16MB SDRAM 166MP 3db: Woodoo-3 3500 16MB SGRAM 183MP 3db: Woodoo-3 3500 16MB SGRAM 183MP 3db: Woodoo-3 3500 16MB SGRAM 183MP AMAGAMER Phoenix-2 n/Idia TNT-2 Vanta in MaxiGamer Phoenix-2 n/Idia TNT-2 Vanta in MaxiG	27 35 35 36 139 189 105 105 165 27 109 28 WYVOUT 169 279 27 Guillemot 48 808 WSP 48 808 WSP 39 809 WTVOUT 239 9 9 WTVOUT 239 1 345 645 647 139 100 100 100 100 100 100 100 100 100 10
SIS VICIO CARCES SIS 30 AMB EDO DRAM PCI SIS 30 SMB SDRAM AGP AT TECHNOLOGIES All-in-Wonder 128 32MB (APP) All-in-Wonder 128 32MB (APP) Rage Furly AGP 32MB (With TV OUT) Rage Furly AGP 32MB (With TV OUT) BDFX / STB 3dh: Voodo-3 3500 16MB SDRAM 166MF 3dh: Voodo-3 3500 16MB SDRAM 166MF 3dh: Voodo-3 3500 16MB SGRAM 183MF 3dh: Voodo-3 5500 64MB 350MHz RAMIO GUILLEMOT MaxiGamer Phoenix-2 n/Idia TNT-2 Vanfa 18 MaxiGamer Phoenix-2 n/Idia TNT-2 Va	27 35 35 31 38 38 38 38 38 38 38 38 38 38 38 38 38
SIS VICIO CARDS SIS 30 AMB EDO DRAM PCI SIS 30 SMB SDRAM AGP ATT TECHNOLOGIES ATI-IT-Wonder 128 32MB (AGP) Rage Fury AGP 52MB (AGP) Rage Fury -MACK AGP 64MB (AGE) 3DFX / STB 3dfx Voodoo-3 3000 16MB SDRAM 166MF 3dfx Voodoo-3 3000 16MB SDRAM 166MF 3dfx Voodoo-3 3500 16MB SGRAM 183MF 3dfx Voodoo-3 3500 16MB 350MHz RAMID GUILLEMOT MAXIGAMER Phoenix-2 n/Vidia TNT-2 Vanifa 8 MAXIGAMER Phoenix-2 n/Vidia TNT-2 Vanifa 18 MEMORY PC100 / 133 SDRAM (AGE) MEMORY PC100 / 133 MHz SDRAM, 7/Vicia 128MB 100 / 133MHz SDRAM, 7/Vicia 128MB RDRAM 700MHz 128MB RDRAM 700MHz 128MB RDRAM 700MHz	27 35 35 35 189 105 105 165 2

CASES	
AT TYPE CASES	
Mini Tower w/230W PS	25
Mini-Mid w/230W PS	29
230W Power Supply	
250W Power Supply	
IN-WIN ATX TYPE CAS	ES
ATX Mid Tower w/230W PS	54
ATX Full Tower w/230W PS	85
ATX Server Tower w/300W PS	109
MicroATX Mini Tower w/135W PS	47
MicroATX Desktop w/135W PS	
ENLIGHT DELUXE CAS	ES
Mini Tower w/230W PS AT	
Desktop w/230W PS AT	
Mid Tower w/230W PS AT	49
SUPERMICRO CASES	
SC 730-A Mid Tower ATX	
SC 760-A Server Tower ATX	139
SC 830-AX Server Tower	
2x300W Redundant P.S. ATX	549
RACKMOUNT CASES	
19" 4U 4bay 300W P.S. ATX	225
19" 4U 5bay 2x300W mini Redunda	int P.S. ATX 469

# AT MICRO PRO INC. our GOALS are clear... providing "everything you need to succeed!"

Our goal has always been to provide service, competitive pricing on brandname components, knowledgeable help, and post-sale support.

Since 1993 MICRO PRO, INC. has sold computer systems and components to the U.S. Government, Corporations, Value-Added Resellers, and educational institutions around the country.

Our sales department is equipped with state-of-the-art informational services. These services are tuned to provide the customer with accurate technical data, pricing, and availability. Our technical support department stays up-to-date with current technology. Customers have access to unlimited toll-free support 6 days a week.

Qualified by GSA as a proven IT provider.



MicroProGov Contract #: GS-35F-0448I Check us out!





AUGUST 2000 COMPUTER SHOPPER

Add Microsoft Windows'98 to systems below ...... \$95

INTEL® PENTIUM® BARE SYSTEMS

INCLUDES: Delizer Tower Case, 104 Keyboard, Mouse, ATX Motherboard, 1.44MB Floopy Drive, Heavy-duty Heat Sink. Intel®Celeron processor w/128k cache 566/600/633/667/700MHz ................... 259/279/309/349/369 Intel®Pentium-III processor 700/750/800/850MHz ... ... 429/469/499/699 Intel®Pentium-III 133FSB processor 667/733/800/868/933MHz ... ... 389/429/519/769/979

SOCKET-7 BARE SYSTEMS INCLUDES: Deluxe Tower Case, 104 Keyboard, Mouse, ATX Motherboard, 1.44MB Floppy Drive, Heavy-duty Heat Sink

250MB ZIP Drive, External printer port ...

100MB Blank ZIP Media

250MB Blank ZIP Media

. 159

AMD Athlon K7™ 700/750/800/850/900/950Mhz/1GHz ..... 369/399/459/559/679/869/1119

# XEON" Intel Pentium BARE SYSTEMS

INCLUDES: SUPERMICRO S2DGE Motherboard, SUPERMICRO SC750A Case, 1.44 Floppy, PS/2 Keyboard and Mouse.  1-800-353-30



Visit our site for a complete selection www.micropro.com



# **BUYING ADVISOR**

# Lesson Plan: A Notebook for Less

Finding a portable PC on a student's budget requires some homework, but we found systems that make the grade for less than a grand.

T'S THAT TIME OF YEAR AGAIN: University students are packing back to campus. For many, August is the time to buy a new computer that will help them survive the rigors of college life. But shopping on a student's budget can be frustrating, especially when you're looking for a notebook rather than a desktop PC.

Yomarie García, a graduate student in communications at the University of Puerto Rico, is tackling that challenge. She's looking for an inexpensive notebook to handle very light computing tasks. "I need to write a lot," she says. "I have a desktop that I use for other programs, but I really just need a laptop for word processing, and that's about it. I need to keep on moving and writing."

García's budget is a maximum of \$1,500, but we assured her we could meet her needs for less. In fact, a diligent search turned up many systems priced at a grand that are well-suited for basic note-taking, word processing, and Web browsing.

At this price, you'll have to forgo a large TFT display, the single most expensive part of any notebook. Opting for a smaller, dualscan screen is the quickest way to save major

moolah. García will be handling more involved tasks on her desktop system, so she won't be unduly bothered by a dual-scan screen.

The same is true for processors. We ignored Pentium III CPUs and went with less expensive Celerons and AMD K6-2s, which should provide ade-

quate oomph for campus-computing chores. We also had to pass on extras like huge hard drives and DVD drives.

The one sacrifice that made us wince is settling for a meager 32MB of system memory, which is standard on entry-level notebooks. This paltry amount of RAM can pose problems if you're Web browsing or

running a couple of applications at a time. If you can afford to upgrade to 64MB, do it.

Keeping these considerations in mind, we began our search with the direct vendors-Dell, Gateway, Quantex, and WinBook-and found most of their new systems priced well above \$1,000, and often beyond García's cap of \$1,500. So we branched out into Webbased outlets and mail-order superstores. In

# CHALLENGE

# USER PROFILE

Yomarie Garcia, a grad student on a tight budget

# COMPUTING NEEDS

An inexpensive notebook for basic tasks, primarily word processing.

the \$1,000 range, we found most systems configured with a 12.1-inch dual-scan screen, 32MB of RAM, a Celeron or AMD K6-2 processor in the 400MHz to 450MHz range, and a 4GB to 6GB hard drive.

For example, Compaq was offer-

ing a new Presario 1200 for only \$999. It included a 450MHz K6-2 engine, 32MB of RAM, a 5GB hard drive, a CD-ROM drive, and a 12.1-inch DSTN screen. Compag only offers a one-year standard warranty and charges \$100 to upgrade to three years.

Shopping bot mySimon led us to Buy.com, where an Acer

TravelMate 506DX featuring a 433MHz Celeron, a 24x CD-ROM, and a one-year warranty cost \$998.95. Meanwhile, eMachines has entered the portable market with its new \$999 eSlate 450k, featuring a 450MHz K6-2 processor. Both of these machines would make good choices for any budget-conscious student.

# BUYING ADVISOR



Another option for the cash-constrained is a refurbished system, a preowned computer totally tuned up and resold by the vendor. These computers generally come with the same warranty as corresponding new models, and most show little indication of wear and tear from the previous owners.

A refurbished unit will cost you roughly 15 percent less than a similar new model, but you won't be able to configure it as you would a new system. Moreover, you may find a great bargain on the Web, only to call the company and find that particular model no longer in stock.

While the least expensive new WinBook system was too rich for our budget, we found a number of refurbished units on the company's site (www.winbook.com) that fit the bill. A "daily special" WinBook XL with a 400MHz K6-2 CPU, a 12.1-inch dualscan screen, a 3GB hard drive, a CD-ROM drive, and (surprisingly) 64MB of RAM cost only \$899. That's a steal, Plus, WinBook threw in a three-year premium-care warranty on this previously owned PC.

We also checked out RefurbCity (www.refurbcity.com), where we found some decent bargains, including a Dell Inspiron 3200 outfitted with a 233MHz Pentium II processor, 80MB of RAM, and a 13.3-inch TFT screen for \$1,079. A pretty sweet deal, except that its warranty was a measly six months. (Warranties vary from product to product at RefurbCity.)

Based on our research, we recommend the WinBook XL to García. It's priced right at \$899, and it has 64MB of RAM and a three-year warranty. Among the

# SOLUTION

# THE ADVISOR'S CHOICE

A refurbished WinBook XL couples a 400MHz K6-2 processor with 64MB of RAM and a three-year warranty, all for a bargain-basement \$899. A close runner-up is the Compaq Presario 1200, with a faster processor and larger hard drive, but less RAM and a one-year warranty.

# ZDNet Price It!" 3 3 7 3 0

For real-time pricing, go to pricelt.zdnet.com

new systems, the Compaq Presario 1200 delivers great value, a comparatively speedy CPU, and a roomy hard drive. It's limited only by its 32MB of RAM.

If you want help making a smart buying decision, e-mail the Buying Advisor at buying\_advisor@zdnet.com.

# DIREG

America's Premier Source for Hard Drives and Peripherals

1-800-287-2323 www.compuplus.com 1-800-287-8786

## **IDE/SCSI HARD DRIVES**

LU KUNS	
MITSUMI NEW/ 32x IDE/48x IDE (FX4820T)	2
TOSHIBA 6502B 48x IDE/6401 40x SCSI	0
Plextor NEW 40x Ultra wide SCSI (RETAIL BOX) 10 NEW 40x Tray SCSI (RETAIL BOX) 9 ACER (**	11
NEW! Acer 50x IDE(RETAIL)	2
Creative Labs 52x IDE 3 WEW Encore DVD 8x (RETAIL BOX) Limited Availability 19	

CI	DR/CDRW	
PACKARD NEW 32x10x4 CDR 9300i	w \$235	
W HPM820e Ext P	CMCIA 20x4x4 (RETAIL)	308

NEW! HPM820e Ext PCMCIA 20x4x4 (RETAIL)	308
NEW! HP8200e Ext USB 6x4x4 CDRW (RETAIL) .	212
NEW HP9200I Int SCSI CDRW(RETAIL)	229
HP9100I 32x8x4 CDRW(RETAIL)	
Acer 8x4x32 CDRW (RETAIL) (8 MB CACHE)	175
	95/221

NEW! Goldstar CDRW 4x4x32 white Box w/ SOFTWARE 141 NEW! Creative Labs CDRW 8x4x32 OFM/RETAIL 159/178

NEW! Plextor 12x4x32 CDRW SCSI INT. (RETAIL) ...305

8x2x20 CDRW Int/Ext (RETAIL)
NEW: 8X4X32 INT. CDRW ATAPI (RETAIL)

CREATIVE

Plextor • Plexwriter

Seagate Seagate
NEW/ 30 GIG 7200 RPM IDE (ST 32804A) 177 34321A (4.3 GIG) UDMA 62
NEW/ 18.2 SCSI ULTRAWIDE 39175LW (Barracuda) 215 NEW/ 18 Gig Cheetah SCSI (ST 118202)
WESTERN DIGITAL New Series NEW 6.4 GIG UDMA Expert (64AA) 67
NEW 8.4 IDE UDMA Expert (84AA) IN STOCK 78 NEW 10.2 IDE UDMA Expert (102AA) 73 NEW 13.6 GIG IDE UDMA Expert (136AA) 85
Western DNU 6125

NEW! 420400 20 Gig IDE UDMA 2MB CACHE	102
Commission of the many marks	17 L. W.C.
NEW! WD 10 Gig 7200 RPM Spe	cial 91
NEW! WD 15.3 Gig 7200 RPM	
NEW! WD 20 Gig 7200 RPM	136
Mapdor'	
NEW/ Maxtor 6.8 Gig (7200) IDE	75
91352D8 13.0 Gig IDE UDMA	89
NEW! Maxtor 10 GIG 5400 RPM	
NEW/ 10.4 GIG 7200 RPM	
NEW/ 92048D4 20 GIG (U-66) 5400 RPM	101
NEW! 92048D8 20 GIG (U-66) 7200 RPM	135

## KEYBOARD/MOUSE

1-800-287-2323

30 day money back guarantee \*
 Friendly, courteous, knowledgeable salespeople
 Nationally, advertised lowest on-line prices
 MC, VISA, DISCOVER & AMEX – no extra charge
 All itams brand new factory fresh with

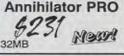
· All items brand new factory fresh with complete manufacturer warranties Most orders shipped within 24 hours Order 24 hours online or call our 800 Operators HOURS: Mon.-Thurs. 8:30am-8:00pm est; Fri 8:30am-2:00pm est; Sun 10:00am-5pm est

Microsoft Natural keyboard/Internet Keyboard	.15
MITSUMI Windows 95 (104) keyboard	9
MITSUMI Telemouse (Scroll PS2)	9
LOGITECH Mouseman Combo (PS2)	9

## AGP/PCI VIDEO CARDS

#### NEW! Viper II Z-200 32MB NEW/ Speedstar A-200 8MB AGP (4x) .39 NEW/ Speedstar A-90 16MB AGP (4x) .55 NEW! Diamond Rio 500 (RETAIL BOX) 212

## CREATIVE





WEW/ Elsa Ultra TNT-2 32MB (AGP)	71
NEW/ Creative Labs Nomad II	258
VisionTek GeForce 256 / New DDR Model 133/1	98

## ORDER DIRECT: www.compuplus.com · 800-287-2323 NEW/ 93073U6 30.6 GIG (U-66) (5400) ......142

NEW! 30 Gig Maxtor (7200 Rpm)

	F	AX MODE	MS .	
NEW   NEW	Il-Robotics	2.32		
V.90 (PCI) Internal W/Voice 23 MIDNITORS  MAG XJ-500T/786 FD 17" (.25) Trinitron 155/26  MAG XJ-810 19" (.26) NEW LOW PRICE 35  KDS VS -550 15" (.28) 10  KDS VS 7E 17" (.27) 16  KDS VS 190 19" (.27) 25  Acer 15" (54E) / Acer 17: (77E) 117/16  PRINTERS  HP Laserjet 2100xl (1200 DPI) 61	NEW! **** /USR 5 56K F/M (V.90)   NEW! 56K (V.90)	6k v.90 PCI Int. (a 6k v.90 PCI Int. v Int/Ext w/voice Ext. (Pro)	#2977) v/voice (#2976) 52/1	55
MAG XJ-500T/786 FD 17" (.25) Trinitron			Supra Max	STATE OF
MAG XJ-810 19" (26) NEW LOW PRICE 35 KDS VS-550 15" (28) 10 KDS VS 7E 17" (27) 16 KDS VS 190 19" (27) 25 Acer 15" (54E) / Acer 17: (77E) 117/16  PRINTERL5  HP Laserjet 2100xi (1200 DPI) 61	lane and	MONITOR	R5	j
HP Laserjet 2100xl (1200 DPI)	MAG XJ-810 19" KDS VS-550 15" KDS VS 7E 17" ( KDS VS 190 19"	(.26) (.28) 27) (.27)	NEW LOW PRICE	358 109 169 259
		PRINTER	15	

7-13

168 51\*/77\*

Stylus 760 8103\*

EPSON Stylus 860

NEW/ 40 Gig Maxtor U-66 (5400 Rpm)	
WEW! Maxtor 40.9 GIG (7200 Rpm)	
NEW! Maxtor 46 GIG (5400 Rpm) Special Buy!	195
NEW/ Maxtor 61.4 GIG (5400 Rpm) Sest Eug/	
FLOPPY DRIVES Mitsumi 1.4/1.28/18 TEAC 1.4	10
Sony 1.4	ocial 10
Sony 1.4 SA INTEL CPU/MOTHERBOAR	DS
NEW! AMD K6-2-550 w/Heatsink & Fan	62
AMD K7 650 w/Heatsink & Fan	148
NEW! AMD K7 700/750/800 (RETAIL BOX) 179/3	
WEW/ INTEL Boxed Celeron 533	105
INTEL Boxed Pentium III 667 (RETAIL)	219
NEW! INTEL Pentium III 700E (RETAIL BOX) (SLOT	
NEW/ INTEL Pentium III 800E/EB (256) (RETAIL BO	
NEW! INTEL Pentium III 850E (256) (RETAIL BOX) (SU	or 1) 589
NEW! INTEL PIII 866EB 256 (SLOT 1)(133FSB) RET.	659
NEW! FCPGA/PPGA to Slot 1 Converter	15.95
TYAN 1590S/1830S/1846S/1854	
ASUS P3BF (RETAIL)/ ASUS K7M	121
Gigabyte 71XE (AMD Athlon K7 ATX)	112
Gigabyte 6A5AX (Socket 7 ATX ) Gigabyte GAGVXE Plus (Slot 1 Pentium 133)	66
Gigabyte GAGVXE Plus (Slot 1 Pentium 133)	76
NEW! FIC KA 6110-SLOT 1 (133 FSB)	
WEW! FIC KA 11-SLOT 1 (133 FSB)	
NEW/ FIC SD 11 (ATHLON)	
NEW! ABIT VA-6 SLOT 1 (U-66)	66
NEW! ABIT VT-6x4 SLOT 1 (133) (ATX)	82
NEW! ABIT BF-6 SLOT 1 (440BX)(ATX)	90
WEW! ABIT KA7/KA7(100)	
NEW! ABIT/FIC/GIGBYTE Slot 1/FPGA Adapte	r 15.95
TAPE BACKUPS	
NEW! 19 HEWLETT T5000 5 GIG IDE Int W/TAPE .	148
NEW! 12 PACKARD 8Gig Int. IDE W/FREE TAPE	176
NEW! PA HACKARD 14Gig Int. IDE W/FREE TAPE	
Seagate 8 GIG IDE W/TAPE/20 Glg W/TAPE	65/223
w/ pra-payment only + Shipping, handling & insurance addition: 352-8100 - Not responsible for typographical errors. Prices ma	d + RMA

	000-107-1313
Mille	RICH 131 PART   18   18   18   18   18   18   18   1
NEW! I Expe All In All In NEW! I Rage 3DFX	3DFX VIDEO CARDS   31/51   Expert 98 8MB AdP/PCI   31/51   Expert 128 16MB AdP (RETAIL)   61* rt 2000 32MB AdP (RETAIL)   .64* i Wonder PRO 8MB AdP/PCI (RETAIL)   136/149   AII In Wonder 128 32MB AdP/PCI (RETAIL) 177/192   FUTY 32MB AdP/PCI (PROME 64MB (RET.)   .65*(69*/91* (VOODOO 3 2000/3000 16MB AdP/PCI   73/85 (VOODOO 3500 16MB AdP (RETAIL)   147
	ADAPTEC SCSI CARDS
2940 NEW/ :	U Ultra SCSI Kit (PCI)
	SOUND CARDS
NEW!	EATIVE DIAMOND  IdBlaster Live Value OEM 39  (Soundblaster Live X-Gamer (RETAIL) 72  (Soundblaster Live MP-3 (RETAIL) 71  (Soundblaster Live Platinum (RETAIL) 149
SB 10 AWE PCI 1 Enso	Soundblaster 512K sound card         44           6 Plug n' Play         26           64 Value Plug n' Play         24           28 Sound PCI (0EM)         23           niq PCI Sound         16           nond Monster 3D (MX 400) OFM/(PETAN)         44/59

Diamond Monster 3D (MX 400) OEM/(RETAIL)	44/59
DIGITAL CAMERAS	
NEW/ Nikon 990 Coolpix	849
Epson 750Z	
Kodak 215	244
Ricoh 5300	e or
Creative Labs WebCam Go/Webcam-3 Price Dropt	115/38
Sandisk Flashcard Memory 16MB-96MB	. LOWEST S
oth, only. No restocking for first 38 days. * Excluding CDR and	CDRW produc

EPSON Stylus 440/660 VISA, MC, AMEX, DISC accepted - CODs: M/O or Cashler Chit only. Sorry P.O.'s

- For tach support & customer service 10AM-SPM E.S.T. call 914-3 e. Please check our website for current pricing. "Price after rebate







C-COLOR 418 VX III XE 239 VII

PLOTTERS

PACKARD
PACKARD
PACKARD

419



SF2014 CALL BF3414 ... 1149

SF 2214

PO 980" 888	PG 980 787 C 130 1188	NP 60018 CALL NP 60018UPER			
SCA	SCANNERS				
UMAX	EPSON	PACKARD			
2000 P 75	610 129	SCANJET			
2500 U B6"	K30 L/ 169	3300 CXI _ 86			
2100 U 991	1200 U 199	4200 CE 119			
2200.9 188	1200 S 264 1200 PHOTO 277	5300 CX1 - 260			
2406 5 266	1900 HHH 749	8500 CS) * 540			
4300 U 319	(500 PHD 988	8305 GN 325			
MICROTEK	EXECUTIVE 566	5350 CKI - 418			
SCANMAKEN	ARTIST 599	6390 CXI - Y69			
V 6 EL 126	VISIONEER	3200 USE . 86			
4 515	5300 USB . 77	STRICKE P 149			
8400 XI 737	7600 P 44	STROM PROTES			
5 1386	6100USB - 88	8100 166			



##85 869 800 766 EPSON 5.2000 222 82 8200 306 5.2000 766 82 8200 306 KX-600 450 82 800 360 XEROX 470 CIX 200 XEROX 470 XEROX	2000 L 885 3000 L 7780 5000 L CALL OKIDATA OFF 54 452 1050 888 5890 1198 5400 1488 6800 1808 UF 785 1838 UF 885 1888 UF 785 1839 UF 885 64LL	\$1.00 943 2150 70 560 2150 70 560 2150 70 560 2150 70 560 FO 3500 660 FO 3500 660 FO 4700 860 FO 4500 660 FO 5500 660
BAC	CK L	BLCKUPS















# active links

Site addresses, downloads, and Web links in this issue



## FROM THE EDITOR...12

VINDIGO www.vindigo.com

#### FEEDBACK FORUM... 20

EGGHEAD.COM egghead.com

## NEWS

## NET NOW ......29

RUNAWARE

WWW.runaware.com
CENTER FOR ON-LINE

ADDICTION www.netaddiction.com

CYBERANALYSIS CLINIC www.cyberanalysis.com

PRICEGRABBER.COM

pricegrabber.com BUY.COM buy.com

DISNEYSTORE.COM

OUTPOST.COM outpost.com

CU-SEEME WORLD www.cuseemeworld.com

MICROSOFT'S DIGITAL DIVA www.microsoft.com/digitaldiva

LOWERMYBILLS.COM lowermybills.com

FINANCENTER.COM www.financenter.com

## HOT GEAR ......58

CASIO WMP-1V WRIST AUDIO PLAYER www.casio.com www.intelplay.com
DIAMOND RIO 600
www.diamondmm.com

SOUND MORPHER

CD CYCLONE CDREVO

INTEL PLAY COMPUTER

www.cdcyclone.com

MONARCH 6015 HANDHELD PRINTER

www.monarch.com

MOTOROLA TALKABOUT T900

INTERACTIVE SEATING BATTLECHAIR www.battlechair.com

CREATIVE NOMAD JUKEBOX

www.creative.com PLUS U3-1080

www.plus-america.com

GEODISCOVERY GEODE www.geodiscovery.com

RAZER MAMBA 1000 www.razerzone.com

PEC E-HOLSTER www.eholster.com

## BEST BUYS .... 72

ABS PERFORMANCE 3 www.buyabs.com

ACER TRAVELMATE 602TER

www.acer.com CAKEWALK PRO AUDIO 9

www.cakewalk.com

CANON POWERSHOT S20 www.powershot.com

Www.creative.com

CYBERMAX ENTHUSIAST 3 K7-850

www.cybermaxpc.com

EPSON STYLUS PHOTO 870 www.epson.com

HERCULES 3D PROPHET DDR-DVI

www.hercules.com HOMESITE 4.5

www.allaire.com HP DESKJET 952C

HP DESKJET 9520 www.hp.com I-DRIVE

idrive.com

LEXMARK Z52 COLOR JETPRINTER

www.lexmark.com

MICRONPC.COM TRANSPORT ZX micronpc.com

MICROSOFT ENCARTA AFRICANA 2000

www.microsoft.com

MICROSOFT STREETS & TRIPS 2001

www.microsoft.com

MUSICMATCH JUKEBOX 5.0 www.musicmatch.com

NEED FOR SPEED: PORSCHE UNLEASHED

www.needforspeed.com

NIKON COOLPIX 800 www.nikonusa.com

NIKON COOLPIX 990 www.nikonusa.com

PAYTRUST.COM www.paytrust.com

QUANTEX W-1511 www.quantex.com

SAMSUNG SYNCMASTER 570P PLUS

www.samsungmonitor.com

SHADOWPACK www.shadowpack.com

THE SIMS www.ea.com

SONY DCR-PC100

SUPERBIKE 2000 www.easports.com

ULEAD COOL 3D 3.0

## OPINIONS.....84

EWORK EXCHANGE www.ework.com

EXP.COM exp.com

REMODEL.COM remodel.com

## **REVIEWS**

## DESKTOPS ...... 103

HP E-VECTRA D9898T www.hp.com KAYPRO 6100 www.kaypro.com

IBM PC 300GL

## HARDWARE ...... 114

CASIO QV-3000EX

EPSON PHOTOPC 3000Z www.epson.com

NIKON COOLPIX 990 www.nikonusa.com

LABTEC SPIN-70 www.labtec.com

SONY UP-DP10 www.sony.com/ digitalphotography

LEXMARK Z52 COLOR JETPRINTER www.lexmark.com

## NETWORKS ...... 118

LINKSYS ETHERFAST FOUR-PORT CABLE/DSL ROUTER www.linksys.com

## MOBILE.....121

MICRONPC.COM TRANSPORT ZX micronpc.com

GATEWAY SOLO 9300CX www.gateway.com

IBM THINKPAD 240X MODEL 2609-61U www.ibm.com/oc/us/thinknad

OMNISKY WIRELESS INTERNET SERVICE www.omnisky.com

SHADOWPACK www.shadowpack.com

APPLE IBOOK SPECIAL EDITION www.apple.com

## SOFTWARE...... 138

ADOBE ILLUSTRATOR 9.0 www.adobe.com

MICROSOFT STREETS & TRIPS 2001 www.microsoft.com

COMPLETE LANDDESIGNER 6.0 3D DESIGN COLLECTION

FREEMEM PRO 4.3 www.3bsoftware.com

IMAGE EXPERT 2000 www.sierraimaging.com

WEBBE 3.0

## WEB SERVICES ... 142

I-DRIVE idrive.com

# SITE

## YODLEE E-PERSONALIZATION PLATFORM

yodlee.com

## GAMES .....144

LAST CALL www.simonsays.com/

interactive

NEED FOR SPEED: PORSCHE UNLEASHED

www.needforspeed.com STAR TREK: ARMADA www.activision.com

THIEF II: THE METAL AGE www.lglass.com

## **FEATURES**

## BACK-TO-SCHOOL PCs......154

ABS PERFORMANCE 3 www.buyabs.com

ACER ASPIRE 6422

GATEWAY SELECT 700 www.gateway.com

QUANTEX M733 www.quantex.com

TINY MILLENNIUM TUTOR 733 www.tiny.com

MICROSAVER UNIVERSAL SECURITY SYSTEM

WWW.kensington.com
DATA DEFENDER

www.pcsecurity.com

idrive.com DRIVEWAY

www.driveway.com
MY DOCS ONLINE
www.mydocsonline.com

### 4 ESSENTIAL SECURITY DOWNLOADS

PassMan 9.4 Safeguard your desktop, files, and passwords. Security Administrator for Windows 95/98 3.2

Control access to your PC. v-Go Universal Password

Use a secure universal password system.
Windows Security Officer 4.3
Prevent unwanted access to your PC.
www.zdnet.com/downloads

## EDUCATIONAL SOFTWARE......164

BODY VOYAGE www.southpeak.com INSIDE THE SAT, ACT & PSAT 2000 DELUXE EDITION www.mattelinteractive.com

MATH ADVANTAGE 2000 FOR HIGH SCHOOL

www.encoresoftware.com

MICROSOFT ENCARTA AFRICANA 2000 www.microsoft.com/encarta

STUDYWORKS SCIENCE DELUXE

www.mathsoft.com

MELODY'S HOMEWORK LINKS

www.usmo.com/~mldy/ main.htm

helpresource.com/ homework help.htm

HOMEWORK HELPER www.homeworkhelper.com

BRITANNICA.COM

ENCARTA LEARNING ZONE encarta.msn.com

4COURSES.COM 4courses.4anything.com

FURBELLO.COM

furbello.com

britannica.com

WORLD WIDE LEARN
www.worldwidelearn.com

SMARTPLANET www.smartplanet.com

EHOW www.ehow.com

5 ESSENTIAL EDUCATIONAL DOWNLOADS

Babylon Translator & Converter 2.2
Translate foreign words with a mouse click

ChemPen3D 1.5.1.0 Illustrate complex chemical formulas.

CollegeLink.com

Fill out and send college applications Easy Study 2.2

MedMicro (Robinson) 4.0 Review microbiology with flash cards.

www.zdnet.com/downloads

DIGITAL CAMCORDERS..... 168

CANON OPTURA PI www.usa.canon.com

JVC DIGITAL DUALCAM GR-DVL9800U www.jvc.com

PANASONIC PV-DV800 DIGITAL PALMCORDER www.panasonic.com/video

SONY DCR-PC100 www.sony.com MICRONPC.COM www.micronpc.com

SHOPPER'S GUIDE TO HARD DRIVES ..... 176

HOTPORT IDE HOTADAPTER AND HOTPORT DRIVE ENCLOSURE www.gsi-inc.com

3 ESSENTIAL UTILITIES

Backup Plus Back up crucial files and data

PerfectDisk Defrag hard drives for better performance.

Sandra

Sum up your system performance.

www.zdnet.com/downloads

ASPs TODAY......182

MSN HOTMAIL www.hotmail.com

YAHOO www.yahoo.com

EXCITE www.excite.com

LYCOS www.lycos.com

ANYDAY.COM anyday.com

WHEN.COM when.com

I-DRIVE.COM idrive.com

X:DRIVE www.xdrive.com

MAPQUEST.COM mapquest.com

EXPEDIA

www.expedia.com QUICKEN.COM

quicken.com HRBLOCK.COM

hrblock.com

YAHOO FINANCE finance.yahoo.com

DESKTOP.COM desktop.com

INTO NETWORKS www.intonetworks.com

PLAYNOW www.playnow.com

JOB-SEARCH SITES.....190

HOTJOBS.COM hotjobs.com

MONSTER.COM monster.com

JOBS.COM lobs.com JOBSONLINE.COM Jobsonline.com

HEADHUNTER.NET headhunter.net

CAREERPATH.COM careerpath.com

CAREERMOSAIC www.careermosaic.com

CAREERBUILDER www.careerbuilder.com

CAREERSHOP.COM careershop.com

AMERICA'S JOB BANK www.ajb.dnl.us

VAULT.COM vault.com

REBECCA SMITH'S E-RÉSUMÉS & RESOURCES www.eresumes.com

CAREER RESUMES
www.career-resumes.com

K'S RESUME WRITING SERVICE www.careeravenue.com/net/

MEDIABISTRO.COM mediabistro.com

JOURNALISMJOBS.COM journalismjobs.com

SALES JOBS www.salesjobs.com

ARTHIRE www.arthire.com

PUBLIC SECTOR JOBS www.publicsectoriobs.com

JOBFRONT www.jobfront.com

TECH-ENGINE.COM tech-engine.com

DICE.COM dice.com

EXEC-U-NET www.execunet.com

NETSHARE

www.netshare.com

6FIGUREJOBS.COM 6figurejobs.com

JOBTRAK.COM jobtrak.com

JOBDIRECT.COM lobdirect.com

MEGAJOBSITES www.megajobsites.com

WORKSEEK.COM www.workseek.com

COOL WORKS

JOBMONKEY.COM jabmankey.com

NET-TEMPS www.net-temps.com IMINORITIES.COM

www.iminorities.com

GAYWORK.COM gaywork.com

WEB BUYER...199

For reviews of online shopping sites, turn to p. 199.

**BIZ-TO-BIZ** 

E-SERVICES ..... 234

FREEWORKS www.freeworks.com

THINKFREE OFFICE

FREEDESK freedesk com

NUOMEDIA.COM nuomedia.com

BUILDING WEB COMMERCE.....236

AMAZON.COM amazon.com

COMMISSION JUNCTION

COMMISSION JUNCTION'S MERCHANTS

www.cj.com/clients/ cli\_mer.asp

CHUMBO.COM chumbo.com

AMAZON.COM (FORD MUSTANG BOOK) amazon.com/exec/obidos/

ASIN/0879389907
AFFINIA'S PRODUCT
PLACEMENT NETWORK

www.affinia.com/ppn

NETWORKABLE ... 238

PHAT LINUX www.phatlinux.com

LINUXISO.ORG www.linuxiso.org

CHEAPBYTES
www.cheapbytes.com

LINUX DOCUMENTATION PROJECT

www.linuxdoc.org

www.samba.org NOVELL (NDS EDIRECTORY)

www.novell.com/products/nds FIREWALL AND PROXY

SERVER HOWTO
www.linuxdoc.org/HOWTO/
Firewall-HOWTO.html

APACHE

www.apache.org

NETCRAFT WEB SURVEY www.netcraft.com/survey

SITE

INDEX

PHP

www.php.net

CHILISOFT www.chilisoft.com

FRESHMEAT.NET

freshmeat.net

SOURCEFORGE www.sourceforge.net

LINUXAPPS.COM linuxapps.com

LINUX IP MASQUERADE HOWTO

www.linuxdoc.org/HOWTO/ IP-Masquerade-HOWTO.html

**HELP & HOW-TO** 

THE HARD EDGE .... 258

AMAZON.COM amazon.com

TUNE-UP ......272

EVERGREEN TECHNOLOGIES

www.evertech.com

buy.com

EGGHEAD.COM egghead.com

COMPUTERSHOPPER.COM computershopper.com

AMD

www.amd.com

INTEL CORP.

CRUCIAL TECHNOLOGY www.crucial.com

3 ESSENTIAL PERFORMANCE DOWNLOADS



BigFix 1.2.1.0 Catch problems and lik them.

Sandra Sum up your system performance.

ZDNet/ZDB0p WinBench 99 Accurately gauge your PC's performance www.zdnet.com/downloads

BUYING ADVISOR... 280

виу.сом

buy.com

WINBOOK COMPUTER CORP.

REFURBCITY www.refurbcity.com

# Shop Compaq Factory Outlet for the best deals. Call 1-800-658-1106 or go to www.CompaqFactoryOutlet.com.



Compaq Refurbished Rewards

- → Factory inspected tested and retested to meet original Compaq quality standards
- → go-day limited warranty'
- → Warranty upgrades available
- → 24 x 7 customer service

re **FURBISHED** 

Compaq Presario

and Notebooks \$869

Desktop monitors and speakers sold separately.







Go to www.compagfactoryoutlet.com for an up-to-date listing of all current products available and a look at our online auctions with bids starting at \$1.00. Supplies are limited. Call today at 1-800-658-1106 (9 am-7 pm [CT], M-F; 9 am-5 pm [CT], Sat.) and ask about our special deals on bundles.

Factory Outlet

COMPA

www.compaqfactoryoutlet.com

Product availability limited to products on hand. All Compag products sold at Compag Factory Outst are returnished unless otherwise noted. Our selection of refurtished products includes customer return units, evaluation unless and other descriptional products. All inflational products are intended products are intended at Compag, where replacement of components is made, if necessary, to bring the product up to livily functional condition. All returnished products carry a 90-day limited warranty and may be returned to any Compag Authoritied Service Provide for service. Per a companied require step by or wind Compag Factory Outs, 17/251 N. Framewy, Houston, 17.7/257. Compag Factory Outs for invitation explication with and local values for the compaginer's destination. Sitiating in limited to within the commental United States. Prices subject to change All states FC Warranty of their products. The compaginer's destination Sitiating is limited to within the commental United States. Prices subject to change All states for the compaginer's destination. Sitiating is limited to within the commental United States. Prices subject to change All states for the compaginer's destination. Sitiating is limited to within the commental United States. Prices subject to change All states for the compaginer's destination. Some prices are returned to within the commental United States. Prices subject to change All states are returned to the compaginer's destination of act names mentioned herein may be trademarks analyzing togistered trademarks of their respective companies. © 2000 Compaq Computer Corporation. All rights reserved.

NOTEBOOK HARD DRIVES, BATTERY PACKS, MEMORY UPGRADES. NOTEBOOK COMPUTERS, IBM SYSTEMS, IBM HARD DRIVES, FLOPPY DRIVES, CD ROMS, MONITORS, NETWORK CARDS, MODEMS AND MEMORY EXPANSION BOARDS.

## NOTEBOOK HARD DRIVE UPGRADES ALL NOTEBOOK HARD DRIVES COME WITH REMOVABLE CASE IF REQUIRED.

THINKPAD 340, 345, 350,350C5,365C 365CS, 365CD, 365CDSD, 365X,365XD, 380 SERIES, 285 SERIES, 510CS,500, 560 570, 600 SERIES, I SERIES 1400 & 1500

THINKPAD 310 SERIES, 315B, 335, 335CS, 340, 186CS, 340CE, 340CE, 340CE, 340CE, 340CE, 340CE, 370C, 390 SERIES, 370C, 370 SERIES, 370C, 370 SERIES, 370C, 370CE, 370

\* SADME/ SADME/ 2.1GB \_\_\_\$115/129/195 AGM AGM 12GB \_\_\$240/25/366

COMPAQ CONTURA ARROW 4/33C, 4/25C, LTE LITE 4/25, 4/25C, 4/25E, LTE LITE/20,25,25C,25E, CONCERTO 4/25, 4/33C, CONTURA 3/20, 3/25, 3/25C, 4/25, 425C,430C, 436CX, 420C, 420CX, 410C, 410CX, 400C 250,400CX 250. PRESARIO 1000,1200, 1600, 1700

175 5100, 5150,5200,5250, 5260, 5300, 5380, 5400, 5900. 5000CD. LTE BLITE 4/50E, 4/40C, 4/40CK, 4/75C, 4/75CK, 4/75CK, 4/50CK, 5/50C, ABMADA-1100, 1500, 1700, 1750, 3500, 4100, 4200, 5200, 7300, 7400, 7700, 7800, MTOS, & 38 SERIES

GigaGold HARD DRIVES

DELL
DELL LATTITUDE XP & XPI SERIES, LETTITUDE CP & CPI
SERIES, LM SERIES, INSPIRON 3000, 3200, 3500,5000,
7003,7500
4404 5500 1700
4404 5500 1700
4404 5500 1700

AGN AGE 1908 NEC NIC VIRSA I, VIRSA M, VIRSA I, VIRSA M, VIRSA I, VIRSA M, VIRSA II, VIRSA III, VIR

TOSHIBA

TOSHIBA T100, T105, T116, T115, T120, T200, T205, T1900,T1910, T1950, T1960, T2105, T2101, T2105, T2101, T2105, T2103, T2150, T2155, T2400, T2400, T2400, T2400, T2400, T2400, T2400, T2400, T2400,T24000,T2400,T2400,T2400,T2400,T2400,T2400,T2400,T2400,T2400,T2400,T2

340AM/540AB/2:108 \$85 W/165

34(MW 540MB2 1GR ....\$116/129/195 468/868/1998 \$240/255/385 **TEXAS INTRUMENTS** 

TEXAS INSTRUMENTS EXTENSA 550,555,560,563 

GATEWAY
GATEWAY COLORBOOK, HANDBOOK, 486
NOMAD, SOLO SERIES & OTHER MODELS

340AW 540AW 2 IGE . \$115 /129 195 4GB/ 4GB 13GB . \$180 258 345 ACAL ACRE 1208

AST
AST ADVANTAGE EXPLORER, BRAVO NB,
EXPLORER, ASCENTIA BOOK, 910N, 900 SERIES,
A, 200M, J. P. SERIES, PREM EXEC.
SERIES SERIES, PREM EXEC.

## NOTEBOOK SPECIALS



IBM THINKPAD 380D PENTIUM-150MHZ

COLOR LCD MATRIX DISPLAY, 32MB, 3GB HARD DR. . 44MB FD, INTERNAL CO ROM, BATTERY, AC ADAPTER. WINDOWS 95.

COMPAQ LTE LITE 5300 Pentium-133 Mhz 12.1" ACTIVE COLOR , 32MB RAM, 1.3 GB HARD DR, 1.44MB FD, BUILT IN SOUNCARD & SPEAKERS, AC ADAPTER BATTERY, WINDOWS 95...... 5429

\*\*ABOVE SYSTEM WITH INTERNAL CD ROM OPTION ... \$529 

#### COMPAQ LTE LITE 5400 Pentium-150 Mhz

12.11 ACTIVE COLOR: 32MB RAM, 1.3 GB HARD DR, 1.44MB FD, BUILT IN SOUNCARD & SPEAKERS, AC 

## NOTEBOOK PCMCIA HARD DRIVE DATA TRANSFER KIT——889

Use this kit to transfer all your data from old notebook hard drive to new Gigagald drive. Install new Gigagold drive as the internal drive with all your data intact. Use your old drive as an external drive.

#### NOTEBOOK CD ROM DRIVES

24X PCMCIA Portoble CD ROW1 lbl. operates with battery or AC Adapter...\$119

40X PCMCIA CD ROM(4.5 lb), operates with AC Adopter only. \$99
FOR COMPLETE LIST
http://www.KAHLON.com

## 

NOTEBOOK BATTERI	S & AC ADAPTER
IBM THINKPAD BATTERIES	TOSHIBA BATTERIES
IBM 355, 360, 365 SEKES	T1900,1910,1950,1980 310
IBM 370, 380,385,\$114	T2400,T 7450,T4700, T4800 \$10
IBM 700, 720, 730 SERIES \$114	T4850,T4900, T4950
IBM 701 SERES	T4850,T4900, T4950
IBM 750 SERIES, 755 C, CS, E, P \$155	
18AX 755CD;CE;CSE \$145	T2100 \$10
IBM 755CDV,CV,CX,765 \$145	T2155CD5, CDT \$10
IBM 760 SERIES\$145	TECRA 700 SERIES \$20
COMPAQ BATTERIES	TEXAS INSTRUMENTS

TEXAS INSTRUMENTS \$150

\$109 605. \$104 CADAPTERS, CAR ADAPTERS & \$104 CADAPTERS, CAR ADAPTERS & \$104 OTHER ACCESSORES FOR ACER. \$104 DEC. BELL, OR. LINE OF TRANS. \$104 DEC. BELL, NEC. GATEWAY, TOSHIR \$229 HARP & OTHER LAPTOPS.

# THE 386/20. ITE 5000 SERES. ITE UTE 20, 25, 4/25, 4/33. ITE ELITE 4/40, 4/50, 4/75 PSESARIO 1010, 1020, 1030, 1030, 1030, 1035, 1070, 1075. PRESARIO 1210, 1600 SERIES. ARMADA 4110, 7700 SERIES. TO ORDER CALL:1-800-317-9989 SHOP ONLINE http://www.KAHLON.com

## **EMORY UPGRADES** LIFETIME WARRANTY COMPLETE SUPPORT FOR IBM, APPLE, IBM COMPATIBLES, DESKTOP & LAPTOP SYSTEMS

## DESKTOP MEMORY

IBM APTIVA / PC SERIES 4MB.8MB..16MB.32MB APTIVA SERIES & PC 300 SERIES MDL 3308-350). PC 300 SERIES (MODEL 750 & 730). PC 700 SERIES MDE 750(6885 6875). MDL 730(6875 6876).

PLEASE VISIT OUR WEBSITE TO SEE COMPLETE LIST OF IBM COMPUTERS

#### COMPAQ

4MB.8MB..16MB.32MB.64MB

Company of the Compan					
PRIOSIONIA (40) 5/170, 5/25, 5/40.					
PRODECNEA 5003/90-5720; 5150.		- 16.		- 01	110.1
PROGRESSA WILLIAM		-41-	66	90	-799
PROSIGNIA 200 MINA			CALL	CAL	L.CAIL
PROSERVIA VS			-W	136	
PROLLAST 1360, 570E, 5130, 575.					
i Jone s/ion, 5/(50, 5/15)	361	340	16	.00	190
PRODUCTION SHIP SAME			-200	133	180
PROLIANT 1901/0113, 5184, 1908/ 9133, 9166		41	166	91	163
PROCIAST INFA/IIII I/200.8508:			- 42	- 11	100
PROLIANT 2500.			10	85	151
PROLIANT 1000, 486DX266	20.	311		-96	
PROLIANT 5000 FAMILY.					148
PROLINIA DESICTOR 20		-14	- 45.	36	
ENGLANCED PROED/EX 4715, 450, 4505, 410, 4100	- 11	- 75		-36	
PROLINEA 575, 590, 5100, 4100, 5100E, 5120E, 5110					
STRE, STREE, STREE, STOMIN, STREET, SHOWN	-11	_10.	_4X	.55	
PROLINGA 57516419 \$1900 (40,000), \$100 (200), \$110	L.				
\$150,5160 (200,000),5110,5150,5106(200)ML(		22	TR.	- 12	-151
PROLING ACTS ACTS ACTS ACTS, ACTS AND	20	_73			
CON. MET HOSE METHOSTIC MET HOSE MET HASE	36	30			
PRESARIO 425, 430, DESETRO XE 4100, 4115, 450, 481	20	-39			
PRESARIO CDS 990, 980, 972, CDTV 979.		-77	-53	90	
FRESARKI SIO, 520, 104, 536, 538	olti-	19	-Q	- 66	
PRESARRO 603, 650, 660, CDS 625	-17:	-179	4	-36	
PRESIDENCE, SERVES NO., HOP SERVES CONTOUNTS.					
NA, BRES SERVES STOCKE USE HIS PROLING A MITTALE	SECTION.	- 10	-0:	- 66	
PREXIDENT RISK, THIR. SSTA.	100	W	41	166	
PRESARKS 7212, 7222, 7232, 7234, 7246, 7236		5-21-i	JK.	500	17.0
PRESEARCH 9272, 8274, 9240, 9250, 9642, 9661		- 22	-70		1174
FRESARIO 4764, 4770.		57	TH.	365	
PRESAUDO 6704, 6708.		27	-39	- AA:	-174
PROFESSIONAL WORKSTOTION STOCKOOL			- 40	85	151. 7

IBM / LEXMARK PRINTER LASS ROWSHITCH, BLTV (DIT), THE READ LASSES PRESTED AND SOUTH COM. BALLETS AND STREET, THE ROWSHITCH COM. BALLETS AND STREET, THE ROWSH

DANKERS AND AND THE STREET AND THE STREET

NOTEBOOK MEMORY

THENROPAD SHAPE TO THE TOP TO THE

19 - 90 - 74 - 127

8.84 - 1648 - 174 COMPAGE
TE ELITE 46 SERIES.
CONTURA 4/25, 4/25 C.
CONTURA 4/25, 4/25 C.
CONTURA 4/25, 4/25 C.
CONTURA AREO SERIES.
CONCERTO 4/23 C.
CONCERTO 4/23 C.
TE LITE 4/23 C. 4/25 C.
ASEA C.
A

PRESARIO 1200, 1600, 1800 SERIES. 4MB.8MB.16MB.32MB.64MB AST ASCENTIA 800N, 810N ASCENTIA 900N, 910N SERIES. ASCENTIA 950N SERIES. 41.46 64 46 59 58 72 29 64 ASCENTIA (10,/20,/30,/30,/30, ASCENTIA F30,/30,/70, F80, ASCENTIA A SERIES, M5000, M6000 SERIES

| 1700 | 1805 | 14300, 74400, 74700, 74800, 7322 | 49 | 130 | 180 | 1805 | 14300, 74400, 74700, 74800, 732 | 49 | 130 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 14500, T4600, T4700, T4800

32.48 .76 28 .59 ...89 48 .67

EZ BOOK 700 SERIES, CTX X 955NS EZ BOOK 700E SERIES, BOOSERIES EZ ROCK 700E SIRIES, ROCSPRIES

GATEWAY

COLORISOCK RISCS, RISCSCHOOL

HANDSCOK ABS SUBNOTESCOK

HIRRY DESTR. DEATHOR

SOLO 590, 5126, V75, V90 NOTESOCK

AS

SOLO 5100 RALESSE, 31 50 RALESSE

SOLO 5100 PENTIUM IN PENTIUM MANS SERIES.

SOLO 5100 PENTIUM IN PENTIUM MANS SERIES.

#### STANDARD MEMORY IBM THINKPAD PARTS

4MB 1X32-60NS 8MB 2X32-60NS 16MB 4X32-60NS 32MB 8X32-60NS 72PIN EDO SIMMS 4MB 1X32-60NS..... 8MB 2X32-60NS..... 16MB 4X32-60NS..... S14 CALL CALL 72PIN SIMMS PARITY

30PIN SIMMS PARITY 1M8 1X3-70NS 58 1MB 1X3-70NS 58 4MB 4X3-70NS 512 4MB 4X9-70NS 512 SD RAM 168PIN DIMMS-66MHz

SD RAM 168PIN DIMMS
(PC/100MHz BUS/ 133MHzBUS)
32MB CALL
64MB CALL

WE CARRY MEMORY FOR AST,

APPLE, HP, MICRON, DEC, GATEWAY, AND MANY OTHER COMPUTERS. FOR PRICE QUOTE.

## 72PIN SIMMS NON PARITY CONPLETE SUPPORT FOR FOLLOWING IBM THINKPAD PARTS:

COMPLET SUPPORT FOR FOLLOWING ISM HINDRAD PAIRS

"THINKPAD FLOPPY DRIVES

"THINKPAD HARD DRIVES

"THINKPAD BATTERIES

"THINKPAD AC /CAR ADAPTERS

"THINKPAD AC /CAR ADAPTERS

"THINKPAD KEYBOARD

"THINKPAD MOTHERBOARDS

"THINKPAD MOTHERBOARDS

"THINKPAD MODEMS

"THINKPAD MODEMS

"THINKPAD MEMORY UPGRADES

"THINKPAD REPAIR SERVICES

FOR IBM PS/2 PARTS & VALUEPOINT PARTS PLEASE CALL

## MACINTOSH PARTS

Mac Floppy Drives
800k Floppy Drive \$40
1 44MB Floppy Drive \$75
Mac Keyboard \$45
MacIntosh Mouse \$45 Macintosh Hard Drives \$100 \$100

MEMORY UPGRADES

AMR. \$12 1698.548 PLEASE CALL WITH MODEL NUMBERS POPULANCE SHIPS SOME EASE, TOOL TOOL TOOL TOOL TOOL BOOK BOOK TO

MAC POWER SUPPLIES MAC MOTHERBOARDS COD WE ACCEPT GOVT UNIVERSITY DRATE POS

PH: 714-694-0006 FAX:714-694-0003 Kahlon, Inc. 23255 LA PALMA AVE YORBA LINDA, CA 92887 E-MAIL ADDRESS:GOKAHLON/BAOL COM

1-800-317-9989

See our web ste for complete inventory lst. h t t p://w w w.Kahlon.com

AMBIANTY, ALL HAZO DENES, ABOVE TOME COVE YEAR WANDAMY? ALL THAN DEVESTIBLION JOINES SK INCHTHS WASDAMY UNLESS CHEMING STOLLED SETTING MODELS OF DAYS. WE RECLAIM SHEET OF DAYS OF WHICH THE WASDAMY W

## PRODUCT INDEX

## COMPUTER SYSTEMS

· Desktops

Pentium III, Pentium, AMD Duron, AMD Athlon, AMD K6-III, AMD K6-2, Celeron, Cyrix M-II, Bare Bones, Industrial PCs, Multi-processor, Rack Mount, Servers, Terminals/Workstations

PDAs/Palmtops/HPCs

· Portables

Pentium III/II, Pentium, AMD K6, Celeron, 486

Macintoshes

## PERIPHERALS

288

287

Digital Cameras

· Input Devices

Joysticks, Keyboards/Keypads, Mice, Frackballs

Modems

External Fax, Internal Fax, PC Card, Voice/Data

· Monitors

19" & Larger, 17", 15" & Smaller, LCD Flat Panel

· Office Equipment

Copy/Fax Machines, Multifunction Peripherals, Point-of-Sale, Misc. Office Equipment

· Plotters

. Presentation Equipment

Dot Matrix, Inkjet, Laser (Color), Laser (Monochrome), Portable, Print Servers/Sharing Units, Thermal Wax, Misc. Printers

Scanners

Bar-Code, Desktop, Handheld

 Speakers/Headphones Storage Devices

CD-ROM Drives, CD-Recordable/Rewritable Drives, Duplication Systems, DVD-ROM Drives, Floppy Disk Drives, LS-120, Hard Drives, 9-Track Tape Drives, Optical Storage, RAID Storage, Removable Storage, Tape Drives

Video Conferencing

## COMPONENTS

291

General Components

BIOSs, Cables/Connectors, Chassis/Cases, CPU Cooling Fans, CPUs, Memory Upgrades

Add-In Cards

Controller Cards, Graphics/Accelerator Cards, Memory Cards, Sound Cards, Video Controllers & Equipment

Motherboards

· PC Card Equipment

Miscellaneous Components

## **ACCESSORIES**

292

 Electrical Accessories Batteries, Power Strips/Surge Suppressors, Uninterruptible Power Supplies

Disk Accessories

Notebook Accessories

Carrying Cases, Notebook/Laptop Hard Drives, Portable CD-ROM Drives, Portable CD-Recordable Drives, Portable DVD-ROM Drives, Portable MP3 Music Players, Misc. Notebook Accessories

· Printer Supplies

Printer Expansion Memory, Toner/Inkjet Cartridges, Misc. Printer Supplies

Storage Media

Test Equipment

Miscellaneous Accessories

#### NETWORKING/COMMUNICATIONS EQUIP. 293

## SOFTWARE & CONTENT · Applications Software

293

Accounting/Finance/Tax/Investment, Communications, Database Management, Desktop Publishing, Education/Training, Fonts, Geographical Data, Graphics, Integrated, Internet, Languages/Tools, Networking, OCR, PIMs, Point-of-Sale, Project Management, Security, Spreadsheets, Utilities, Voice Recognition, Word Processing

. Operating Systems/GUIs

. Books/Catalogs/Videos

## SERVICES

293

· Data Conversion/Disk Duplication

- · Training/Business
- . Web Hosting
- Miscellaneous Services

## f it's for sale direct, you'll find it in the Product Index, a complete listing of all the products advertised in this issue of Computer Shopper. The page numbers refer to advertisers who carry each type or brand of product.

ccess

## COMPUTER SYSTEMS

## Desktops

#### Pentium III

ABS Computer Technologies • 18 Adamant Computers . 268

Atlas Micro . 26

Avantoarde • 303

Axis Systems • 102

Compaq Computer Corp • 21, 49

Compaq Consumer Direct • 184

Compaq Direct Plus . 35

Computer Gate Int'l . 261

Cyber Power . 53

CyberMax • 148

Dell Computer Corp . COV2-COV4,

1, 6, 63, 104, 170, 207, 230

Dell Factory Outlet . 275

Gateway 2000 \* 45

Hewlett-Packard . 136, 141, 145

Hotdeals4less.com • 241

IBM Corporation \* 8, 10, 21, 49.

157

**iBUYPOWER • 57** 

Interpro Microsystems • 264

Micro Pro • 44, 277

Micron Electronics \* 119

Quantex Microsystems . COV5-COV8, 107, 320

Shop Acer . 218

Sony Corp of America . 21

Systemax • 116

Thortek • 256

Tiny Computers • 80

United Micro . 61

## Pentium

Compaq Factory Outlet • 285

#### **AMD Duron**

Atlas Micro • 26

Nutrend • 101

United Micro • 61

Vega PC • 100

#### AMD Athlon

Adamant Computers . 268 Altima Solutions • 96

AMD (Advanced Micro Devices) . 90

American STI • 163

Atlas Micro . 26, 99

Avantgarde • 303

Axis Systems • 70, 102

Compag Computer Corp • 204

Compag Consumer Direct . B5

Computer Gate Int'l . 261

Cumetrix Data Systems • 98

Cyber Power • 53, 95

CyberMax • 148

Gateway 2000 • 93

Hotdeals4less.com • 241

**iBUYPOWER** • 57

Micro Pro • 44, 277

MidWest Micro • 94

Motherboard Express • 270

Nutrend • 101

Syscon = 163 TigerDirect • 92

United Micro . 61

Vega PC = 100

## AMD K6-III

Computer Gate Int'l . 261

## **AMD K6-2**

Adamant Computers • 268

American STI • 163

Avantgarde . 303

Compaq Computer Corp • 266

Cyber Power . 53, 95

CyberMax = 148

Hotdeals4less.com • 241

**iBUYPOWER • 57** 

Interpro Microsystems • 264

Micro Pro • 277 Motherboard Express = 270

Nutrend • 101

Syscon • 163

## Celeron

ABS Computer Technologies • 18

Adamant Computers • 268

American STI . 163

Atlas Micro \* 26

Compaq Computer Corp • 49

Compaq Consumer Direct • 184

Compag Direct Plus . 35

Computer Gate Int'l . 261

Cyber Power • 53

CyberMax • 148 Dell Computer Corp . COV2-

COV4, 63, 104, 170, 207

Gateway 2000 = 47

Hewlett-Packard • 49, 143, 204

IBM Corporation • 49, 157

iBUYPOWER • 57

Interpro Microsystems . 264

Micro Pro • 44, 277

Motherboard Express • 270

Quantex Microsystems . COV5-

COV8, 107

Sony Corp of America \* 204

Syscon • 163 Systemax • 116

Tiny Computers • 80 United Micro . 61

## Cyrix M-II E-Machines • 266

The Computer Shopper Product Index lists the products, services, and advertisements appearing in the current issue (except those in the Showcase section). The staff has made every attempt to ensure the accuracy of the index. However, Computer Shopper does not warrant the accuracy of information and is not responsible for any errors appearing in the Product Index. Note that advertisements or changes to ads received after the Material Due deadline may not be included in the Product Index

Adamant Computers • 268

Altima Solutions . 98

## PRODUCT INDEX

## The world's largest PC manufacturers buy our memory direct.

They don't take risks. Neither should you.

## crucial.com



TECHNOLOGY A Division of Micron

The Memory Experts

#### Desktops (continued)

#### **Bare Bones**

Adamant Computers • 268 Case Depot • 265 Ever Han Corp . 260 Interpro Microsystems • 264 Jinco Computers • 260 Micro Pro • 277 Motherboard Express • 270 Team Force • 265

#### **Industrial PCs**

United Micro • 61

Case Depot . 265 Ever Han Corp . 260 Jinco Computers • 260 Point of Sale Solutions • 245 Team Force • 265

#### Multiprocessor

Compaq Computer Corp • 21 Compaq Direct Plus . 35 Dell Computer Corp . COV2-COV4, 63, 170, 230 IBM Corporation . 8, 10 Interpro Microsystems • 264 Micro Pro • 44, 277 Quantex Microsystems . COV5-COV8, 107

## **Rack Mount**

Wetex International (USA) Corp • 246

### Servers

ABS Computer Technologies • 18 Adamant Computers • 268 Compaq Computer Corp • 21, 49 Compaq Direct Plus • 35 Dell Computer Corp . COV2-COV4, 63, 170, 230 Dell Factory Outlet • 275 Hewlett-Packard • 141 IBM Corporation . 8, 10 Interpro Microsystems • 264 Micro Pro • 44, 277 Quantex Microsystems . COV5-COV8, 107 United Micro . 61

#### **Terminals/Workstations**

ABS Computer Technologies • 18 Adamant Computers • 268 Case Depot • 265 Dell Computer Corp . COV2-COV4, 63 Dell Factory Outlet • 275

Ever Han Corp • 260 Hewlett-Packard • 145 IBUYPOWER + 57 Interpro Microsystems • 264 Jinco Computers • 260 Quantex Microsystems . COV5-COVS Team Force • 265

## PDAs/ Palmtops/HPCs

3Com Corp/US Robotics • 135, 146, 254, 282 Compaq Computer Corp • 254 Harmony Computers • 134 Hewlett-Packard • 254 **IBUYPOWER • 57** Palm • 21, 49 PC Zone • 204

## Portables

#### Pentium III

ABS Computer Technologies • 18 Acer America Corp . 122, 204, 235, 254 Atlas Micro • 26 Compaq Computer Corp • 134, 235, 254 Compaq Consumer Direct • 184 Dell Computer Corp . COV2-COV4, 63, 104, 196, 207 Fujitsu • 254 Fujitsu PC Corp • 87, 133 Gateway 2000 • 47, 55 IBM Corporation • 10, 49, 157, 235, 254 Prostar Computer • 28, 128 Quantex Microsystems . COV5-COV8, 107 Sager • 36, 75 Sony Corp of America . 21, 49, 134, 204, 235, 254 Sony ITA . 126 Tiny Computers • 80 Toshiba America • 134, 235, 254 WinBook Computer Corp • 125 Windrover Company • 76

## Pentium II

Compaq Computer Corp • 235, 254 Fujitsu • 254 IBM Corporation . 235, 254 Sony Corp of America . 235, 254 Toshiba America • 235, 254

#### Pentium

Compaq Computer Corp • 215, 266, 286 Compag Factory Outlet . 285 Dell Computer Corp • 215 IBM Corporation • 215, 266, 286 NEC Computer Systems • 266 Sony Corp of America . 235 Toshiba America • 254 True Data Products • 266

## AMD K6

Compaq Computer Corp • 49, 134, 135, 235, 254, 266 Fuiltsu • 254 Hewlett-Packard • 97 Toshiba America • 2, 134, 135, 204, 235, 254 Vega PC \* 100

#### Celeron

Acer America Corp . 235, 254 Atlas Micro . 26 Compaq Computer Corp • 254 Compaq Consumer Direct • 184 Dell Computer Corp . COV2-COV4, 63, 104, 170, 196, 207 Fujitsu • 254 Gateway 2000 + 47 Hewlett-Packard \* 139 IBM Corporation • 10, 49, 157, 235, 254, 266 Prostar Computer • 28, 128 Sager • 36, 75 Sony Corp of America . 235 Toshiba America • 49, 134, 235. Windrover Company \* 76

True Data Products • 266

## Macintoshes

Apple Computer • 204

## PERIPHERALS

## Digital Cameras

Agfa Corp • 282 Canon Computer Systems . 134,

PRODUCT INDEX

254, 282

Dirt Cheap Drives . 304 Eastman Kodak Co . 2, 134, 135, 235, 254, 281, 282 Epson • 134, 135, 281, 282

Fuii . 235, 254, 282

Minolta Corp • 254

Nikon • 49, 134, 135, 204, 235,

254, 281, 282

Olympus Image Systems . 134,

135, 235, 254, 282

Panasonic • 254

Ricoh Corp . 134, 235, 281

Samsung Electronics America

Sony Corp of America . 134, 235, 254, 282

Toshiba America • 134, 235

## Input Devices

#### **Joysticks**

Thortek • 256

## Keyboards/Keypads

Acer Peripherals • 248

Antec = 256

Apple Computer • 286

Cherry Electrical Products • 54

Computer Gate Int'l . 261

Focus Electronic Corp . 277

Genovation • 54

Key Tronic Corp . 248, 256

Logic Controls . 54

Logitech . 2, 248

Micro Pro . 277

Microsoft Corp • 256, 267, 277,

281

MicroSpeed • 256

Mitsumi Electronics Corp \* 267,

281

Thortek • 256

TigerDirect • 294

Ultima Group USA . 256

## Mice

Apple Computer • 286 Computer Gate Int'l . 261 Key Tronic Corp . 256 Logitech . 2, 248, 277, 281 Microsoft Corp = 248, 267, 277

Mitsumi Electronics Corp . 267,

281

Mouse Systems Corp . 256

Thortek = 256

TigerDirect • 294

#### Trackballs

Computer Gate Int'l . 261 Focus Electronic Corp \* 277 Logitech • 277 Thortek • 256

## Modems

#### **External Fax**

3Com Corp/US Robotics . 256, 267, 270, 277, 281, 316, 318 Archtek • 318 Creative Labs • 268 Diamond Multimedia Systems (Supra) • 256, 268, 318 Lucent Technologies = 267 Phoebe \* 277 Pine Technology • 318 Rockwell . 267 Thompson Computer Warehouse

#### Internal Fax

\* 267

3Com Corp/US Robotics . 146, 226, 254, 256, 268, 270, 277, 281, 318 Archtek • 318 Creative Labs . 226, 268

Diamond Multimedia Systems (Supra) • 256, 268, 270, 281

IBM Corporation • 254

Lucent Technologies • 261 Motorola • 146, 254

Phoebe • 268, 277

TigerDirect • 294

Xircom \* 254

#### PC Card

3Com Corp/US Robotics • 146, 254

IBM Corporation \* 254

Motorola • 254

Phoebe + 277

Xircom = 254

## Voice/Data

3Com Corp/US Robotics . 146, 226, 256, 268, 270, 277, 281, 316

Archtek • 318

Creative Labs . 226, 268

Diamond Multimedia Systems

(Supra) . 268, 281

Phoebe • 268, 277

Pine Technology \* 318

Thompson Computer Warehouse

• 267 TigerDirect • 294

## Monitors

### 19" & Larger

ADI Systems • 256 AOC International Ltd . 270 CTX International . 256, 282 Hitachi NSA = 264

Hyundai Display Products • 318 liyama North America • 48

KDS USA . 256, 267, 281, 318 Mag Innovision • 256, 264, 281

Micro Pro • 277

Mitsubishi Electronics America

· 264, 282

NEC Technologies • 256, 264, 282 Optiquest • 256, 270, 282, 316

PiXie Technologies • 204

Princeton • 248, 277, 282

Relisys \* 226, 267, 316

Sony Corp of America . 264, 282,

Tatung Company of America

• 318

Thortek • 256

ViewSonic • 2, 14, 226, 248, 256, 264, 267, 270, 282, 316,

## 318 1711

Acer Peripherals . 281 AOC International Ltd • 270 CTX International . 282 Hitachi NSA . 264 Hyundai Display Products • 318 liyama North America • 48 Intellesale.com • 215 KDS USA . 256, 267, 281, 318 Mag Innovision • 264, 281

MGC (Max Group Corp) . 267 Micro Pro • 277

Mitsubishi Electronics America

• 264, 282 NEC Technologies • 264, 282

Optiquest • 256, 267, 282, 316 Philips Electronics • 248

Princeton \* 248, 277, 282

Relisys • 226, 267, 316

Samsung Electronics America • 256, 282

Sony Corp of America . 264, 282 Tatung Company of America

• 318

Thortek . 256

ViewSonic • 14, 226, 248, 256, 264, 267, 270, 282, 316, 318

### 15" & Smaller

Acer Peripherals • 281 AOC International Ltd . 270 Case Depot . 265

CTX International • 282

Hyundai Display Products . 318

KDS USA . 281 Mag Innovision • 256

MGC (Max Group Corp) . 267

Micro Pro • 277

NEC Technologies • 215, 282

Nokia Mobira . 215

Nurol Corp = 243

Optiquest • 282

Philips Electronics • 248

Princeton • 248

Relisys • 226, 267, 316

Sony Corp of America \* 215, 282 Tatung Company of America

• 318

Team Force • 265

Thortek . 256

ViewSonic • 14, 226, 282, 318

## **LCD Flat Panel**

AOC International Ltd = 270 Hyundai Display Products • 318 liyama North America • 48 NEC Technologies = 282

Nurol Corp = 243

## ViewSonic • 14, 21, 49, 226 Office

## Equipment Copy/Fax Machines

Brother International Corp . 282 Canon Computer Systems • 282

Epson • 282

Hewlett-Packard • 282 Okidata Corp \* 282

PanaFax • 282

Panasonic • 282

Ricoh Corp • 282

Sharp Electronics Corp . 282

## Xerox Corp = 282 Multifunction Peripherals

Okidata Corp . 282

Brother International Corp . 282 Canon Computer Systems • 282 Hewlett-Packard • 49, 256, 282

Panasonic = 282

#### Point-of-Sale

American Microsystems = 54, 243 APG Cash Drawer \* 54

Axiohm Cognitive Solutions = 243

Bear Rock Technology = 245

Citizen America Corp . 243, 244 Cougar Mountain Software . 3.

Crichlow Data Sciences • 244

Data Vision • 244

Direct P.O.S. • 244 Eltron International • 243

Epson • 243, 245

IBM Corporation • 245

IBS . 243, 245

Indiana Cash Drawer Co . 54,

243, 245

Ithaca Peripherals • 243

Logic Controls • 54, 244

Mag-Tek • 54

Metrologic Instruments = 243,

244 MMF Cash Drawer Co = 54, 243,

245 NJCR Technologies • 54

Nurol Corp • 243

Opticon • 244

P.O.S. International . 244

PC America \* 54

Percon • 243, 245 Point of Sale Solutions . 245

PSC • 243, 244 Star Logic • 244, 245

Star Micronics America • 243 Symbol Technologies • 243

Unitech Systems . 54 Worthington Data Solutions • 242

## Misc. Office Equipment

Plotters

Hewlett-Packard = 282

Nural Corp = 243

## Presentation Equipment

Adtech • 246

Creative Labs . 281

Epson • 246

Hitachi • 246

Sharp Electronics Corp . 282

## Presentation Equipment (continued)

PLUS Corp = 248 ProjectorPeople = 246 Sanyo Business Systems Corp. \* 246

InFocus • 21, 49

Toshiba America • 246

## Printers

#### **Dot Matrix**

Epson • 282 Lexmark International • 282 Okidata Corp • 282 Panasonic \* 282

#### Inkjet

Brother International Corp . 254 Canon Computer Systems . 135. 254, 282 Citizen America Corp • 254 Epson • 49, 134, 135, 204, 256, 281, 282 Hewlett-Packard . 21, 134, 135, 254, 256, 282 Lexmark International . 134, 256, 282 Thortek = 256

### Laser (Color)

Canon Computer Systems . 282 Hewlett-Packard \* 282 Lexmark International • 282 Minolta Corp . 282 NEC Technologies • 282 Okidata Corp . 2, 282 OMS . 282 Tektronix \* 256, 282 Xerox Corp • 282

### Laser (Monochrome)

Brother International Corp = 135, 282 Canon Computer Systems • 282 Epson • 282 Hewlett-Packard • 49, 134, 135, 223, 256, 281, 282 Lexmark International . 256, 282 Minolta Corp • 282 NEC Technologies - 282 Okidata Corp . 2, 282 Panasonic \* 282 Xerox Corp • 282

### Portable

Canon Computer Systems • 254 Citizen America Corp • 254

## **Print Servers/ Sharing Units**

Computer Gate Int'l . 261

#### Thermal Wax

Alps Electric (USA) = 282 Tektronix = 282

#### Misc. Printers

Alps Electric (USA) . 282 Axiohm Cognitive Solutions • 243, 245 Citizen America Corp . 54, 243. 244 Cognitive Solutions • 54 Data Vision • 244 Dirt Cheap Drives . 304 Eltron International \* 243, 245 Epson • 54, 243, 245 Hewlett-Packard • 256 Ithaca Peripherals . 54, 243 Mega Haus . 250 Nurol Corp = 243 PC America • 54 Samsung Electronics America • 243 Star Logic \* 244, 245 Star Micronics America • 54, 243

## Scanners

#### **Bar-Code**

American Microsystems • 243 Bear Rock Technology • 245 Crichlow Data Sciences = 244 Data Vision • 244 Direct P.O.S. = 244 Metrologic Instruments . 54, 243, 245 NJCR Technologies \* 54 Nurol Corp \* 243 P.O.S. International . 244 PC America • 54 Percon • 54 Point of Sale Solutions • 245 PSC • 54, 243 Symbol Technologies = 54, 243, 245 Unitech Systems = 245 Welch Allyn . 244 Worthington Data Solutions • 242

## Desktop

Epson . 2, 135, 282 Hewlett-Packard • 282 Microtek Lab . 256, 282 Thortek • 256 Umax Technologies . 204, 256, 282, 304, 314

#### Handheld

Visioneer • 282

American Microsystems + 243 Data Vision • 244 Nurol Corp . 243 PC America = 54 Point of Sale Solutions \* 245 PSC = 244 Worthington Data Solutions • 242

## Speakers/ Headphones

Altec Lansing Corp . 256, 318 Cambridge SoundWorks . 318 Computer Gate Int'l . 261 Creative Labs \* 256 Dirt Cheap Drives • 304 Kinyo Co + 120 Labtec Enterprises • 304, 314 MIDI Land . 318 Sonigistix • 256 Thompson Computer Warehouse • 267 Thortek \* 256 TigerDirect • 294 Storage Devices

## **CD-ROM Drives**

Acer Peripherals = 250, 281, 304 Addonics (Fora) \* 256 ASUS Computer International · 267, 316 BTC (Behavior Tech Computer) · 268 Computer Gate Int'l . 261 Creative Labs \* 250, 270, 281, 304, 316 Delta Products Corp . 248, 256 Dirt Cheap Drives . 304 Kenwood • 248, 250, 256, 268, 270, 304, 318 Micro Pro . 277 MicroSolutions • 304 Mitsumi Electronics Corp . 226, 248, 250, 256, 267, 270, 281, 304, 316

NEC Technologies . 250, 304

Pioneer New Media Technologies

• 250, 304

Plextor • 250, 256, 281, 304, 318 Ricoh Corp • 256 Sony Corp of America . 226, 316 TEAC America • 248, 250, 256, 270.304

Thompson Computer Warehouse

\* 267

Thortek • 256 TigerDirect • 294

Toshiba America • 226, 250, 256, 270, 277, 281, 304, 316, 318 USDrives . 256

Yamaha • 267

## CD-Recordable/ **Rewritable Drives**

Acer Peripherals • 135, 250, 281, 304 CenDyne • 250, 304 Creative Labs . 248, 250, 281, 294, 304, 316 Dirt Cheap Drives . 304, 314 Hewlett-Packard • 49, 250, 256. 264, 268, 270, 277, 281, 304, 316, 318 Mega Haus . 250

MicroSolutions • 250, 304 Mitsumi Electronics Corp . 226, 256, 277, 316 Pacific Digital Products • 256 Panasonic • 261 Pine Technology • 294

Plextor . 2, 248, 250, 256, 270, 277, 281, 304, 318 Ricoh Corp . 250, 256, 264, 304,

Sony Corp of America . 250, 256, 261, 264, 268, 270, 281, 304, 316

TEAC America • 248, 250, 264, 304 Thortek \* 256

Toshiba America • 146, 256, 314,

Yamaha • 226, 250, 256, 264, 268, 270, 304

## **Duplication Systems**

Dirt Cheap Drives • 304 Logicube • 245, 318 Mega Haus = 250 Prassi Software USA \* 304 Rimage Corporation • 304

## **DVD-ROM Drives**

Acer Peripherals • 304

PRODUCT INDEX

Afreey = 256, 261, 267 ASUS Computer International **256** Creative Labs . 248, 250, 270, 277, 281, 304, 314, 316, 318 Dirt Cheap Drives . 304, 314 Hitachi • 248, 318 Mega Haus . 250 Micra Pro . 277 Panasonic \* 250, 256, 304 Pioneer New Media Technologies 248, 250, 256, 261, 268, 270, 304, 314 Ricoh Corp • 256, 314 Samsung Electronics America · 267 Shuttle Computer Group . 318. Sigma Designs • 318 Thortek • 256 TigerDirect • 294 Toshiba America . 146, 226, 250, 256, 304, 314, 316, 318,

Addonics (Fora) . 256

## Floppy Disk Drives

Apple Computer . 286 Computer Gate Int'l . 261 Dirt Cheap Drives . 304, 314 Mitsumi Electronics Corp . 261, 267, 270, 277, 281 Motherboard Express • 270 Sony Corp of America . 256, 281 TEAC America • 250, 256, 265, 270, 277, 281, 304 TigerDirect \* 294

## LS-120

Computer Gate Int'l \* 261 Imation \* 250, 268, 277, 304, 314, 318 Panasonic • 270 Thortek = 256 TigerDirect = 294

### **Hard Drives**

Apple Computer • 286 Dirt Cheap Drives . 304, 314 Fujitsu \* 226, 261, 270, 316 IBM Corporation . 250, 256, 264, 270, 277, 304, 316, 318 LaCie Ltd . 204 Maxtor Corp • 204, 226, 250,

## Storage Devices (continued)

256, 264, 267, 270, 277, 281, 294, 304, 316, 318 MicroSolutions • 304 Quantum Corp . 204, 226, 248, 250, 256, 264, 270, 304, 316,

Samsung Electronics America • 261, 267

Seagate Technology . 2, 204, 226, 248, 250, 256, 264, 267, 270, 277, 281, 294, 304, 315, 316, 318

Thortek = 256

Western Digital Corp . 204, 226, 248, 250, 256, 261, 264, 267, 268, 270, 281, 304, 315, 316. 318

### 9-Track Tape Drives

CPU • 245 Hewlett-Packard • 245 M4 Data \* 245 Qualstar Corp . 245

## **Optical Storage**

Maxoptix Corp = 304 Sony Corp of America . 250, 304

#### **RAID Storage**

Dirt Cheap Drives . 304 DPT (Distributed Processing Technology) • 250, 256 Promise Technology • 250 Thortek = 256

#### Removable Storage

Adamant Computers • 268 Castlewood Systems . 250, 256, 304, 316, 318 Computer Gate Int'l . 261 Dirt Cheap Drives . 304, 314 lomega Corp \* 49, 226, 250, 254, 256, 264, 267, 270, 277, 304, 316, 318 Mega Haus • 250 Panasonic • 261 Thortek . 256 TigerDirect • 294

## **Tape Drives**

• 246

Advanced Digital Recording \* 304 Computer Gate Int'l \* 261 CPU - 245 Exabyte Corp . 21, 245, 250, 304

Wetex International (USA) Corp

Fujitsu • 245 Hewlett-Packard • 21, 245, 250, 256, 281, 304 Hewlett-Packard (Colorado) \* 264 OnStream • 256 Quaistar Corp • 245 Quantum Corp . 245, 250, 256, 264, 304 Seagate Technology \* 250, 256, 264, 277, 281, 304

Sony Corp of America . 250, 256,

264, 304

Tecmar • 256

Thortek \* 256

Tandberg Data • 245

 Video Conferencing

Canon Computer Systems • 204 Sony Corp of America . 204

## COMPONENTS

## General Components

eSupport.com (formerly Unicore) • 247

## Cables/Connectors

Aberdeen LLC . 318 Computer Gate Int'l . 261 Dirt Cheap Drives . 304, 314 Mega Haus • 250 Thortek = 256 TigerDirect • 294

#### Chassis/Cases

Aberdeen LLC . 318 Addtronics • 318 Antec \* 248, 256 Case Depot . 265 Computer Gate Int'l . 261 Dirt Cheap Drives . 304 Enlight Corp . 248, 267, 270, 277, 316 Ever Han Corp • 260 In Win Development • 146, 248, 277,318 Jinco Computers . 260 Mega Haus . 250

Micro Pro . 277

Super Micro • 270, 277, 318 Superpower Supply • 27D Team Force • 265 Thompson Computer Warehouse • 267 Thortek . 256 Wetex International (USA) Corp

## **CPU Cooling Fans**

• 246

Aberdeen LLC • 318 Case Depot • 265 Computer Gate Int'l . 261 Mega Haus • 250 Motherboard Express • 270 Team Force \* 265 TigerDirect • 294

## **CPUs**

AMD (Advanced Micro Devices) 146, 226, 256, 264, 267, 270, 277, 281, 294, 315, 316 Cyrix . 264, 294, 316 Intel Corp • 146, 226, 256, 264, 267, 270, 277, 281, 294, 315,

## **Memory Upgrades** Aberdeen LLC • 318

Adamant Computers • 268

Apple Computer • 4, 181, 286

Compag Computer Corp . 4, 286

Computer Gate Int'l . 261 Corsair Microsystems • 248, 315, 316, 318 Crucial Technology (div of Micron) • 4. 288 Dell Computer Corp . 181 Gateway 2000 • 4 Hewlett-Packard • 4 IBM Corporation . 4, 286 Interpro Microsystems • 264 Kahlon • 286 KingMax Micro Technology \* 318 Kingston Technology Corp • 83, 204, 223 McGlen Micro \* 146 Memory 4 Less • 181 Memory Man . 315 Micro Pro . 277 Micron Electronics • 4 PC Progress • 316 Simple Technology \* 21 Spartan Technologies . 226 Thompson Computer Warehouse

• 267

Thortek • 256 TigerDirect • 294 Treasure Chest Peripherals • 248 Viking Components (VCI) • 270

## · Add-In Cards

Adaptec • 250, 256, 268, 281,

## **Controller Cards** Aberdeen LLC • 318

304, 318 Arco Computer Products • 304 Axis Communications • 304 Dirt Cheap Drives . 304, 314 DPT (Distributed Processing Technology) • 250, 256, 304 Iwill (Quicktech) . 268 Mega Haus . 250 Mylex Corp • 318 Promise Technology . 256, 304,

SIIG = 318 Symbios Logic • 318 Tekram \* 250, 304

## Graphics/ **Accelerator Cards**

3dfx Interactive (STB Systems) · 226, 256, 264, 267, 268, 270, 277, 281, 316, 318 3Dlabs • 264, 318 ASUS Computer International 146, 226, 248, 256, 267, 268, 316, 318 ATI Technologies • 33, 226, 248, 256, 264, 267, 268, 270, 277, 281, 316, 318 Computer Gate Int't . 261 Creative Labs • 248, 261, 270. 281, 294, 316 Diamond Multimedia Systems 226, 248, 256, 264, 267, 268. 270, 281, 316, 318 ELSA . 256, 264, 281 Evans & Sutherland • 264 Giga-Byte \* 146 Guillemat . 248, 277, 318 Hercules Computer Technology • 318 Jaton Corp • 270, 318

Leadtek USA . 318 Matrox Electronic Systems Ltd

 226, 256, 264, 267, 268, 281, 316, 318

Number Nine Computer • 294

PRODUCT INDEX

NVidia Corp • 13, 256, 294 Pine Technology . 318 Sigma Designs • 304 SIS \* 277, 294 Thompson Computer Warehouse TigerDirect • 294 Trident Microsystems • 267

## **Memory Cards**

VisionTek • 270, 281

Acer America Corp • 315 AST Research = 286, 315 Compaq Computer Corp \* 181. 286, 315 CTX International • 286 Dell Computer Corp . 286, 315 Fujitsu + 315 Gateway 2000 • 286 Hewlett-Packard • 286 IBM Corporation • 181, 286, 315 Kahlon • 286 Kingston Technology Corp . 83. 223 Marine Park Computers • 254 Memory 4 Less • 181

Memory Man . 315 NEC Computer Systems • 315 SanDisk Corp . 281 Sharp Electronics Corp . 315 Simple Technology • 21 Sony Corp of America . 315 Thortek = 256 Toshiba America • 181, 286.

#### **Sound Cards**

315

Computer Gate Int'l . 261 Creative Labs \* 226, 248, 250, 256, 267, 268, 270, 277, 281, 304, 316, 318 Diamond Multimedia Systems 248, 256, 267, 268, 281, 318 Ensoniq • 281, 316 Keycom Enterprises \* 268 Pine Technology • 318 SIIG . 248 Thompson Computer Warehouse • 267 Thortek • 256 TigerDirect • 294 Turtle Beach Systems • 248, 256,

268

## **Video Controllers &** Equipment

ATI Technologies = 226, 248, 256, 264, 267, 268, 270, 277, 281, 316, 318 Diamond Multimedia Systems

· 248, 264, 267, 281 Mega Haus # 250

Sigma Designs . 250, 304

Wavelink Media • 304

## Motherboards

ABIT Computer Corp \* 146, 226, 248, 256, 261, 264, 268, 270, 281, 294, 316, 318

AMI (American Megatrends) . 277

AOpen • 248, 261

ASUS Computer International

 146, 226, 248, 256, 261, 264, 267, 268, 270, 277, 281, 316, 318

BCM Advanced Research • 267

Biostar = 267

DFI = 248, 268

ECS • 277

Epox \* 256, 270, 318

FIC (First Int'l Computer) # 226. 248, 256, 261, 264, 267, 270,

277, 281, 294, 316, 318

Giga-Byte • 146, 261, 264, 270,

277, 281, 294, 316

Intel Corp = 226, 264, 270, 277, 318

Interpro Microsystems = 264

Iwill (Quicktech) = 264

Kahlon . 286

Microstar Laboratories . 226,

264, 316, 318

Motherboard HomeWorld . 213

MSI . 261

Pine Technology \* 294, 318

Shuttle Computer Group . 267,

270, 318

Soyo Computer . 248, 294

Super Micro \* 226, 256, 261,

264, 270, 277, 318

Tekram = 267

Thompson Computer Warehouse

• 267

Thortek . 256

TigerDirect • 294

Tyan Computer Corp . 226, 248,

256, 261, 264, 268, 270, 277,

281, 316, 318

## PC Card Equipment

3Com Corp/US Robotics • 146, 254

Addonics (Fora) = 254, 256 Dirt Cheap Drives . 304, 314

Hewlett-Packard = 281

Kahlon • 286

Kingston Technology Corp • 83 Marine Park Computers • 254

Mega Haus . 250

Thortek \* 256

Xircom = 254

## · Misc. Components

Aberdeen LLC = 318 American Microsystems • 243 Apple Computer . 286

Case Depot . 265

Computer Gate Int'l . 261

Dirt Cheap Drives . 304, 314

Ever Han Corp . 260

IBM Corporation • 286

tomega Corp • 304

Jinco Computers . 260

Kahlon • 286

Mega Haus . 250

Team Force • 265

Thortek . 256

Wetex International (USA) Corp-

• 246

## **ACCESSORIES**

## Electrical Accessories

#### **Batteries**

Acer America Corp . 315 AST Research = 315

Compay Computer Corp . 286,

315

Dell Computer Corp • 315

Electrofuel = 204

Fujitsu • 315

IBM Corporation = 286, 315

Kahlon = 286

Marine Park Computers • 254

Memory Man \* 315

NEC Computer Systems . 315

Sharp Electronics Corp . 315 Sony Corp of America . 315

Texas instruments (Acer) = 286

Toshiba America . 286, 315

## Power Strips/ **Surge Suppressors**

American Power Conversion Corp • 130A, 131

Computer Gate Int'l . 261 Kensington Microware Ltd • 294

## Uninterruptible **Power Supplies**

American Power Conversion Corp . 21, 49, 130A, 131, 282, 318

Archtek . 318

Computer Gate Int'l . 261

## · Disk Accessories

Computer Gate Int'l . 261

Dirt Cheap Drives . 304

Mega Haus . 250

Pioneer New Media Technologies

• 304

Thortek • 256

## Notebook/ Portable Accessories

## **Carrying Cases**

Dirt Cheap Drives • 304

Targus . 204

Thortek . 256

## Notebook/Laptop **Hard Drives**

AST Research . 286

Compaq Computer Corp . 181,

CTX International • 181

Dell Computer Corp \* 286

Dirt Cheap Drives . 304

Gateway 2000 = 286

Hitachi • 250, 304 IBM Corporation • 226, 250, 258,

286.304

Kahlon = 286

Kingston Technology Corp . 83 Marine Park Computers . 254

Memory 4 Less • 181

MicroSolutions . 250

NEC Computer Systems • 286

Sharp Electronics Corp . 181

Simple Technology . 21

Texas Instruments (Acer) • 286

Thortek • 256

Toshiba America . 181, 226, 250, 256, 286, 304, 316

## Portable **CD-ROM Drives**

Addonics (Fora) . 254, 256 Dirt Cheap Drives . 304

Kahlon • 286 MicroSolutions • 250, 254

## Portable CD-Recordable Drives

Archos \* 21 Hewlett-Packard . 254

lomega Corp . 254

MicroSolutions • 250

## Portable DVD-ROM Drives

PC Zone \* 204

## Portable MP3

**Music Players** Diamond Multimedia Systems = 204

## Misc. Notebook/ **Portable Accessories**

Dirt Cheap Drives . 304 Marine Park Computers • 254

Mega Haus = 250

Targus • 254 Thortek . 256

## Printer Supplies

## **Printer Expansion**

Memory Hewlett-Packard \* 181, 286, 315

IBM Corporation • 286

Kahlon . 286 Lexmark International • 286

Memory 4 Less \* 181 Memory Man + 315 Panasonic • 181

## Toner/Inkjet Cartridges

Epson • 282

Misc. Printer Supplies

PRODUCT INDEX

Nural Corp . 243

## Storage Media

## CD-R (Recordable) Discs

Computer Gate Int'l . 261

Dirt Cheap Drives . 304

Mega Haus . 250

Thortek = 256

TigerDirect • 294

## Data Cartridges/ Cassettes

Dirt Cheap Drives . 304

lomega Corp . 304

Mega Haus . 250 Seagate Technology • 277

Sony Corp of America • 304

Floppy Disks TigerDirect • 294

## **Optical Disks**

Dirt Cheap Drives . 304

Maxoptix Corp • 304

Mega Haus . 250 Sony Corp of America . 250, 304

Zip Disks lomega Corp . 250, 256, 277,

304, 318

Thortek \* 256 TigerDirect • 294

## Test Equipment

Computer Gate Int'l . 261 Mega Haus • 250

## Misc. Accessories

Case Depot \* 265

Dirt Cheap Drives . 304

Ever Han Corp • 260

Jinco Computers • 260

Mega Haus . 250

Team Force . 265 Thortek . 256

## **NETWORKING**/ COMMUNICATIONS EQUIPMENT

3Com Corp/US Robotics . 49. 146, 254, 267, 268, 277, 316, 318

Allion = 304

Archtek \* 318

Belkin Components • 256 Cisco Systems • 49

Computer Gate Int'l . 261

D-Link Systems = 268, 277

Dirt Cheap Drives . 304, 314

Edimax Technology Co . 316 Intel Corp . 267, 268, 277, 316,

318

Marine Park Computers . 254

Mega Haus • 250

Micro Pro • 277

Orange Micro . 304

PC Zone • 204 Phoebe \* 277

Thompson Computer Warehouse

• 287

TigerDirect • 294

Xircom • 254

## SOFTWARE & CONTENT

 Applications Software

## Accounting/Finance/ Tax/Investment

Cougar Mountain Software . 3 Crichlow Data Sciences • 244

Intuit = 247 Nurol Corp • 243 P.O.S. International • 244

## Communications

Symantec Corp . 228, 247 Symantec Corp (Delrina Group) • 247

## Database Management

Microsoft Corp • 247

## **Desktop Publishing**

Adobe Systems • 228, 247 Microsoft Corp . 247

## Education/ Training

Microsoft Corp . 204 Princeton Review • 204 SmartCertify Direct • 271

#### **Fonts**

Bear Rock Technology . 245 Nurol Corp \* 243 Worthington Data Solutions • 242

## **Geographical Data**

Microsoft Corp . 204

## Graphics

Adobe Systems . 228, 247 Corel Corp . 228, 247 Microsoft Corp • 49

### Integrated

Corel Corp • 247 Lotus Development Corp • 247 Microsoft Corp . 228, 247, 316

## Internet

Microsoft Corp . 247

## Languages/Tools

Microsoft Corp = 247

## Networking

Microsoft Corp . 2, 49, 228, 247 NovaStor Corp + 250, 304 Novell • 250 Veritas Software • 250

## OCR

Caere Corp • 247

#### **PIMs**

Symantec Corp . 228, 247

Point-of-Sale American Microsystems • 243 Bear Rock Technology • 245 Cougar Mountain Software . 3 Crichlow Data Sciences • 244 DCRS Solutions • 245 Direct P.O.S. \* 244 ICV Corp . 243, 245 Merchant Software Corp . 245

Northwest Network Solutions • 243

Nurol Corp • 243 P.O.S. International \* 244

PC America • 54 Point of Sale Solutions . 245

RegistWare . 244 Remsoft Technologies • 243 Sales Management Systems

· 243, 244, 245 Software Store Products • 243 Worthington Data Solutions \* 242

### **Project Management**

Microsoft Corp • 247

#### Security

Network Associates (McAfee)

• 247

NovaStor Corp • 250

#### Spreadsheets

Lotus Development Corp • 247

#### Utilities

Adaptec • 250, 294, 304 Computer Associates International • 21, 49

Creative Digital Research • 250, 304

Dirt Cheap Drives • 304 Elektroson USA • 304

Mega Haus . 250 Network Associates (McAfee)

. 247 NovaStor Corp • 250, 304 Ontrack Computer Systems • 304

PowerQuest Corp = 247

Prassi Software USA . 304 Seagate Software • 304

SmartCertify Direct • 271

Symantec Corp • 49, 228, 247 Veritas Software \* 250

## **Voice Recognition**

Symantec Corp • 247

## **Word Processing**

Corel Corp \* 247 Microsoft Corp = 247

 Operating Systems/GUIs

Microsoft Corp \* 49, 228, 247, 316

 Books/ Catalogs/ **Videos** 

Bear Rock Technology . 245

## PC Mall • 49

TigerDirect • 92 Worthington Data Solutions • 242

PRODUCT INDEX

## SERVICES

 Data Conversion/ Disk Duplication

Logicube • 245

## Training/ Business

Crichlow Data Sciences • 244 P.O.S. International • 244 PC America • 54

## Web Hosting

Coollink.net . 16 Dell Computer Corp • 63

## · Misc. Services

Egghead.Com . 198 P.O.S. International \* 244 People PC . 30 Safeware • 43

All advertising is subject to Publisher's approval and acceptance without recourse. The advertising herein that is typeset and/or designed by Computer Shopper NOTICE TO ADVERTISERS is the property of Computer Shopper and not that of the advertiser. The advertiser has purchased the right of reproduction in Computer Shopper only and does not have the right to reproduce the ad in any other place of publication. We are not responsible for mistakes, misprints, or typographical errors and will not issue credits of any kind for such errors. Advertisers and their agencies assume responsibility for the condition of the contents of advertising printed, and agree to indemnify the Publisher of Computer Shopper for any and all claims and expenses arising therefrom. Computer Shopper standards suggest to the advertiser that statements concerning shipping and handling charges, warranties and money- or no money-back guarantees should be stated in all forms of advertising within Computer Shopper. The opinions expressed in the articles and columns and ads are those of the writer and not necessarily those of Computer Shopper

Computer Shopper, 28 E. 28th St., New York, NY 10016-7930 MCI MAIL-CSM, Sales Info: 212-503-3800, Editorial: 212-503-3900, Fax: 212-503-3995 Customer Service: 877-214-7390

We periodically make lists of our customers available to carefully screened mailers of quality goods and services. If you do not wish to receive such mailings please let us know by writing to us at: Computer Shopper, PO. Box 52568, Boulder, CO 80322-2568.

**Seagate Hard Drive** THD-43A

Capacity Seek Time Trans. Rate RPM Butter Wty 4 3/20 10 fem. 66.6MB/s 5400 512820 Syrs

**Seagate Hard Drive** 8.4GB

THD-84A

Capacity Seek Time Trans. Rate RPM Baffer Wty 8.4GR 10 fore ML6MB/s 5400 204KB 3yrs

**Seagate Hard Drive** 13GB 🥦 THD-13A

Capacity Seek Time Tracs. Rate RPM Sutter Wty 1908: 10.5cm 66.6MR/s 5400 51283 3cm

Mactor Hard Drive 15.3GBS THD-15M

Capacity Seek Time Tracs. Rate RPM Better Wty. 15.30H 10.5es 66.0MH/s 5400 512XH Syrs

# **IN810S Motherboard**

By Tiger Motherboard Only MB2-IN810S

S H

S

50

Motherboard

M-571LMR

5EMA+

SY-SEH/S

M-598LMR

M-5991 MR

GA-SAA

VA-503+

GA-SAX

VA7-AV

SY-5SSM-5

P6-BAP-A+ Motherboard

Motherboard Only MB2-P6BAP

## =/= SD-11

Only L450-SD11

Or Choose From These Great

# Slot 1 & Socket 370 Motherboard Comparison PINE

The second second	2122200000	A		A 10 10 10 10 10	Control of the Control of the				9.4		CICALITY	
Mathedisard	Supported Bits Speed	Chipset	370 Secker	Stot 1 Socket	Max. CPU Supported	Max. Memory	UDMA 33,66	AGF/PCL/ISA Slats	On-transi LAN Modest	On board Sound/Video	Item #	On 1-2 Price
SY-7IZM	56/100	Intel ZX	Yes	No	600 Celeron	256	33	1/3/1	No/ No	Yes/Yes	MB2-7IZM	\$49.99
C400	66/100	Intel BX	No	Yes	700PHI/600 Celeron	768	33	1/5/2	No/ No	No/No	D55-C400	\$55.99
SY-7SBB	66/100	SiS 600	Yes	No.	600 Celeron	768	33	1/3/2	No/ No	No/ No	\$450-1065	\$59.99
PZXBL	56/100	Intel BX	No	Yes	700PIII/600 Celeron	768	33	1/4/3	No/ No	No/No	MB2-P2XBL	\$64.99
IN810S	66/100	Intel 810	No	Yes	800PIII/500 Celeron	512	66	0/3/0	No/ No	Yes/Yes	MB2-IN910S	\$69.99
SB1-A	66/100	SIS 5600	No	Yes	700PIII/800 Celeron	768	33	0/3/2	No/ No	Yes/No	P450-2000	\$69.99
P6BAP-A+	66/100/133	VT82C693A	Yes	No	800PIII/600 Celeron	768	66	1/4/2	No/ Na	No/No	MB2-P6BAP	\$76.99
METWG	66/100/133	Intel 810E	No	Yes	800PIII/500 Celeron	512	66	1/3/0	No/No	Yes/Yes	B450-2001	\$76.99
SB3-AV	66/100	SiS620	Yes	No	600 Celeron	768	68	0/3/2	No/ No	Yes/AGP	P450-1025	\$79.99
P6STP-FL	66/100/133	S/S 630E	Yes	No	800PIII/600 Celeron	1024	68	1/2/0	Opt./ No	Yes/Yes	MB2-P6STP	\$84.99
ZA-3	66/100	Intel ZX	Yes	No	600 Celeron	512	33	1/4/3	No/ No	No/No	P450-1002	\$84.99
SM3-AV	.66/100	SiS 620	Yes	No	700PIII/600 Celeron	768	66	0/3/1	No/No	Yes/Yes	P450-1030	\$84.99
BA-1	66/100	Intel BX	No	Yes	700PIII/600 Celeron	768	33	1/4/3	No/No	No/No	P450-3000	\$89.99
KA-6110	66/133	Via Apollo 133	Yes	Yes	800PIII/600 Celeron	768	66	1/5/2	No/No	No/No	L450-1020	\$89.99
VB-601	66/100	Intel BX	Yes	Yes	700PIII/600 Celeron	788	33	1/5/2	No/No	No/No	L450-1010	\$89.99
VA6	66/100/133	Via 693A	No	Yes	800PIII/600 Celeron	768	66	1/5/1	No/No	No/No	L450-2006	\$90.99
SY-6VBA 133	66/100/133	Via Apollo 133	No	Yes	800PIII/600 Celeron	1024	66	1/5/2	No/ No	No/No	S450-1010	\$92.99
GA-6VXE+	66/100/133	Via Apolle 133	No	Ves	800PIII/600 Celeron	768	66	1/5/2	No/No	No/No	L450-4020	\$98.99
SY-7VBA 133	66/100/133	Via Apollo 133	Yes	No	800PIII/600 Celeron	768	66	1/4/3	No/ No	No/ No	\$450-1060	\$99.99
KA-11	66/100/133	Via Apollo 133	No	Yes	800Pill/600 Celeron	1024	66	1/5/2	No/No	No/No	L450+1025	\$106.99
SY-7VCM	66/100/133	Via Apollo 133	Yes	No	800PIII/600 Celeron	1024	66	1/3/0	No/ No	Yes/No	\$450-1055	\$114.99
SY-6VCA	66/100/133	Via Apollo 133	No	Yes	800PIII/600 Celeron	1536	66	1/5/2	No/No	Yes/No	\$450-1011	\$116.99
SY-7VCA	66/100/133	Via Apollo 133	Yes	No	800PIII/600 Celeron	1536	66	1/5/1	No/No	Yes/ No	\$450-1050	\$119.99
GA-BX 2000	66/100	Intel BX	No	Yes	700PIII/600 Celeron	1024	33	2/5/2	No/ No	No No	L450-4025	\$120.99
BE6 II	66/100	Intel BX	No	Yes	700PIII/600 Celeron	768	66	1/5/2	No/No	No/No	L450-2001	\$140.99
GA-6BXD	56/100	Intel BX	No	Yes	700PIII/800 Celeron	1074	33	1/5/2	No/No	No/No	1450-4030	\$176 99

## **Socket 7 Motherboard Comparison**

Supported

66/75/83/95/100

60/66/75

E6/75/83/90/95/100

68/75/83/95/100

66/75/83/95/100

66/75/83/95/100

66/75/83/95/100

66/75/83/95/100

88/75/83/95/100

66/75/83/95/100

66/75/83/95/100



Max. CPU MICHAEL

500MHz

366MHz

550MHz

550MHz

550MHz

550MHz

550MHz

550MHz

550MHz

550MHz

550MHz

Cache

512KB Cache

512KB Cache

1MB Cache

512KB Cache

1MB Cache

512KB Cache

512KB Cache

1MB Cache

512KB Cache

512KB Cache

512KB Cache

UDMA

33

33

33

33

33

33

66

33

66

66

66



0/768

G

No/No

		COLUMN TO SERVICE STATE OF THE			
Memory Slots	AGP/PCI/ISA LAN/Madem	On-board Scort/Video	On-board Number	Rem #	OTY 1-2
0/768	1/4/3	No/No	No/No	D55-C200	\$55.99
0/512	0/3/2	Opt/Opt	Yes/Yes	MB2-571LMR	\$69.99
0/768	1/5/2	No/No	No	\$450-1035	\$72.99
0/768	1/3/3	No/No	No/No	\$450-1045	\$77.99
0/768	0/2/1	Opt/Opt	Yes/AGP	MB2-598LMR	\$82.99
0/768	0/2/1	Opt/Opt	Yes/AGP	MB2-599LMR	\$82.99
0/768	1/3/2	No/No	No/No	L450-4000	\$85.99
512/512	1/3/3	No/No	No	L450-1000	\$85.99
0/768	1/5/2	No/No	No/No	L450-4010	\$86.99
0/768	0/4/1	No/No	Yes/AGP	\$450-1040	\$88.99

Yes/AGP

## **CD-R Media SALE!**

Chipset

Aladdin V

TX Pro II

ETED 8829

ETEO 6639

SiS 530

SIS 530

Aladdin V

Via MVP3

Aladdin V

SiS530

Via MVP4

## Zip Media SALE!

Floppy	Disk	SAI	LE!
--------	------	-----	-----

0/5/2

## LS-120 SuperDisk!

P450-5000

\$89.99

nun#	Description	Price Each
TC1-4250	Jewel Cased 10 pack	\$6.99
TC1-4251	Spindle 50 pack	\$34.99
TC1-4252	Spindle 100 pack	\$89.99

Altern #	Description	Price Each
TC1-6150	Zip 100MB Disk Single	\$9.95
TC1-6151	Zip 100MB Disk 3-Pack	\$26.99
TC1-6152	Zip 100MB Disk 5-Pack	\$44.99
TC1-6153	Zip 100MB Disk 10-Pack .	\$89.99
TC1-6154	Zip 250MB Disk 4-Pack	\$69.9

figur#	Description	Price Enc
TC1-6050	Floppy Disk 50 pack	\$14.99
TC1-6051	Floppy Disk 100 pack	\$19.99

	The second second second	The last of the last of	
TC1-6250	120MB Disks 3-pack	\$34.99	City
	After \$5 Mnil-in Rebate	\$29.99	\$9.99
TC1-6251	120MB Disks 5-pack	\$59.99	
	After \$10 Mail-in Rebute .	\$49.99	\$9.99
TC1-6252	120MB Disks 10-pack	\$99.99	
	Atter \$30 Mnil-in Reliate	\$69.99	\$6.99

24 HOURS A DAY! IN CANADA CALL: 800-888-6167

## Processor Shop Genuine AMD and Intel

## **AMD Quality Processors!**

Featuring The Award-Winning K6-2 with 3DNow! It combines 3DNow! Technology with AMD ingenuity.





	AMD K6-2 & III Processors						
	CP2-K62-333	AMD K6-2/333	3DNow! (95MHz Bus) \$29.99				
	CP2-K62-350	AMD K6-2/350	3DNow! (100MHz Bus)\$29.99				
	CP2-K62-500	AMD K6-2/500	3DNow! (100MHz Bus)\$59.99				
	CP2-K62-550	AMD K6-2/550	3DNow! (100MHz Bus)\$79.99				
١	CP2-K63-350	AMD K6-3/350	3DNow! (100MHz Bus)\$39.99				

## Athlon Processors

The AMD Athlon process

generation of
processing. It is the first
200MHz Front End Bus
consumer processor. It
has 128KB Level 1
cache as well as a
large, programmable,
high-performance Level
2 cache. It's the
processor for the next
millennium.

ir is the next		
Athlon	Comment of the Commen	
CP2-K7-650	Athlon CPU 650MHz	\$169.99
CP2-K7-700	Athlon CPU 700MHz	\$199.99
CP2-K7-750	Athlon CPU 750MHz	\$214.99
CP2-K7-800	Athlon CPU 800MHz	\$274.99
CP2-K7-850	Athlon CPU 850MHz.	\$364.99
CP2-K7-900	Athlon CPU 900MHz	\$484.99
CP2-K7-950	Athlon CPU 950MHz.	\$664.99
A216-1012	Cooling Fan for Athlen	\$7.99
A216-1022	Cooling Fan for Athlon 900MHz	\$9.99
	Athlon CP2-K7-850 CP2-K7-750 CP2-K7-750 CP2-K7-850 CP2-K7-950 CP2-K7-950 CP2-K7-950 A216-1012	Athlon  CP2-K7-650  CP2-K7-700  Athlon CPU 650MHz  CP2-K7-770  Athlon CPU 700MHz  CP2-K7-780  Athlon CPU 750MHz  CP2-K7-800  Athlon CPU 800MHz  CP2-K7-990  Athlon CPU 800MHz  CP2-K7-990  Athlon CPU 950MHz  Athlon CPU 950MHz  CP2-K7-950  Athlon CPU 950MHz  CP2-K7-950  Athlon CPU 950MHz  CP2-K7-950  Athlon CPU 950MHz  CP2-K7-950  Athlon CPU 950MHz

## Cyrix, Pentium, Celeron, Pentium II & III Intel Pentium Processors ... \$46.99 Intel Celeron 500 processor (Socket 370) Intel Celeron 533 processor (Socket 370) Intel Celeron 600 processor (Socket 370) CP2-CI500 CP2-CI533 \$89.99 CP2-CI600 Intel Celeron 600 Intel Pentium II & III Processors CP2-P2-450

0.00 Do 000	
CP2-P3-600	Intel Pentium III 600 processor (Socket 370) \$229.99
CP2-P3-667B	Intel Pentium III 667EB processor (Slot 1)
CP2-P3-667F	Intel Pentium III 667EB processor (Socket 370)
CP2-P3-733B	Intel Pentium III 733EB processor (Slot 1)\$304.99
CP2-P3-733F	Intel Pentium III 733EB processor (Socket 370)
CP2-P3-800F	Intel Pentium III 800EB processor (Socket 370)
Curiy MII Proc	Praye

## Cooling Fans

Protect Your PC and CPU!

With An Advanced Cooling Fan When calling, please specify which CPU you have.

35 fellin 1-2 A216-1010 Socket 7 Fan \$4.99 \$3.99 \$3.49 \$16-1010 Celeron Cooling Fan (PPGA) \$4.99 \$3.99 \$3.49 Free Gel With Purchase

CP2-6x300

Slot 1 PIII Cool Fan PIII (FCPGA) Cool Fan Pentium FCPGA & Celeron To Slot 1 Adapter \$5.99 \$5.49 \$4.99 \$5.99 \$5.49 \$4.99 A216-1002 A216-1020 \$8.99 \$7.49 \$7.49 rranty. For Quantity Pricing Please Call 888-736-4672

Cyrix MII processor (Socket 7-PC75 Bus) ......\$39.99

## CD/CD-RW/DVD Drives



itate #	Dascription	Price Each
TC1-4203	Crumine Labs 4x2x24	\$119.99*
TC1-4200	Pine Tech 4x4x24	
TC1-4205	Adaptec EZ-CD Creator (OEI	M Version) \$24.991
TC1-4206	Hot Barn CD-Creation (OEM	Version) \$12.991
TC1-4207	Stock CD-R Media w/EZ-CD I	Creator \$49.991
† Must b	# Parchased with CD-RW. Ship	langitament of bequi
packag	ing. 11 Price After \$20 Mail-In I	Rebate, Linktone.

lant.	Decretor	1-Z Deits	Selta Selta	5 Units or more
TC1-4022	48X CD-ROM"	\$34,99	\$33.99	\$32,99
TC1-4025	50X CD-ROM"	\$39,99	\$37.99	\$36.99
TC1-4116	8X DVD-ROM		\$104.99	
TC1-4115	Design the live of		\$145.99	
** CO 90	M speeds are variab	dz, mazelmu	m speeds.	shown.

## **Zip & Floppy Drives**



Zip drives are the standard in high capacity storage. Choose from the 100MB or new super-fast 250MB internal drives. They connect to any IDE system.

Arm's	Depressons.	Units	3-5 Units	& Units or more
TC1-6101	100MB Zip Drive	\$49.99	\$48.99	\$47.99
TC1-6105	250MB Zip Drive	\$136.99	\$132.99	\$129.99
TC1-6200	LS-120 Drive	\$58.99	\$57.99	\$54.99
TC1-6000	3.5" Floppy Beige	\$17.99	\$15.99	\$15.99

## Power Protection



- 6 Outlets \* 2 RJ-11 Ports \* 520 Joules
   6 ft Cord Warning Light \* 15 Amp Circuit Breaker \* \$25,000 Equipment Warranty
- . Extra-Wide Outlet spacing

ton/	Onscriptor	Price
TC1-8400	Kensigton 6-Outlet Surge Protector	\$9.50

## PCI 56K' Fax Modem



Rom #	Description	1/2	3.5	5+
	PCI S6K w/o vo		\$22.99	\$19.99
	AMR 56K' Mod		\$24,99	\$22.59
	PCI 56K' w/ vqi			\$24.99
TUT-5500	ISA 56K' Hardw	are \$49.99	\$46,59	\$42.99
Acn	nal enparle musi une	ar manaphla r	J GOK'how	helt

## **Keyboards & Mice**



April -	<b>Динограм</b>	Units	Units	or more
TC1-2004	Scrolling Wheel Mouse	\$9.99	\$7.99	\$5.99
	Two Button Moune	\$6.99	\$5.99	\$4.99
	Wireless Scrolling Mouse	\$19.99	\$18.99	\$16.99
TC1-2105	MousaPad	\$1.99	\$1.79	\$1.69
TC1-2100	Calculater MousePad	\$4.99	\$4.99	\$4.99
TC1-1000	184 Keyboard	\$9.99	\$8.99	\$8.49
	108 Keyboard	\$7.99	\$6,99	\$5.99
TC1-1010	Multifunction Keyboard	\$16.99	\$15.99	\$14.99

## NIC & Sound Cards



mil.	Discreption	1-2 Units	3-5 Units	& soits or more
TC1-9003	10/190 NIC	\$12.99	\$11.99	\$9.99
TC1-5001	ISA Sound Card	\$12.99	\$11.99	
TC1-5100	PCI Sound Card	\$19.99	\$17.99	

## Video Cards



Single	Decima	1-Z Units	35	6 Units
TC1-710	PCI2MB Card	\$10.99	\$9.99	\$3.59
TC1-710	3D PCI 4MB Card	\$25.99	\$25.99	\$24.99
TC1-710	3D PCI MB Card	\$35.99	\$35.99	\$33.99
TC1-701	SIS 4MB AGP Card	\$25.99	\$24.99	522.99
TC1-766	SIS BMB AGP Card	\$35.99	\$34.99	\$32.59
TC1-721	Savage 16MB AGP Ca	rd\$49.99	\$47.99	\$45.99
TC1-721	Savage 3ZMB AGP Co	nd\$75.99	\$74.98	\$72.99
TC1-729	Vanta 16MB AGP Care	\$59.99	\$55.99	\$54.99
TC1-7200	TNT II 32MB AGP Can	d \$79.99	\$76.99	\$73.99

## due to FCC regulations download spends limited to 53Kbps.



	Spe	akers		
Agen F.	Description	1-Z Units	3.5 Units	5 melts or mane
TC1-3001	Self-Amplified 3-Piece Multimedia	\$9.99	\$7.99	\$6.99
10113000	Speakers w/subwooter	\$29.99	\$27.99	\$25.99

## MEMORY SALE!

lan#	Description	hen	Frices 3-5	Alega For Deck
TC1-MEM-32	32MB 168-Pin PC100 SDRAM	\$36.99	\$35.99	\$34.99
TC1-MEM-64	64MB 168-Pin PC100 SDRAM	\$74.99	\$71.99	\$69.99
TC1-MEM-128	128MB 168-Pin	\$146.99	\$142.99	\$136.99

Note: In order to bring you these low prices on promium book memory, we have negotiated natures for defective exchange only and a 20% asstocking charge on all returns with our memory venutor. We will pass these policies on to all returns and a returns with our memory venutor. We will pass these policies on to all retail sales of book memory.

Prices subject to change.

## **USB Cables SALE!**

there are	Description	Price Lach
TC1-9150	USB A-B Cable 3ft	\$4.99
TC1-9151	USB A-B Cable 6ff	\$5.99
TC1-9152	USB A-B Cable 10ft'	\$8.99
TC1-9153	USB A-B Cable 15ft'	\$12.99

## **Printer Cable SALE!**

item#	Description	Price Eac
TC1-10507 TC1-10502 TC1-10503 TC1-10504 TC1-10506	IEEE A-A 6ft' DB25 to DB25 . IEEE A-B 10ft' Std. Printer	\$18.9 \$14.9 \$16.9 \$12.9

## **Hard Drive Cable SALE!**

item#	Description	Price Each
TC1-10000	<b>Dual IDE Ribbon &amp; Flappy</b>	\$2.99
TC1-13001	Ultra ATA\66 24"	
		\$19.99
TC1-1300Z	Ultra ATA\66 PCI	
	Controller Card	\$49.99

## **Network Cables**

Ann d	Description	Prize Esch
TC1-9050	Snagless CAT 5 - 3' Black	
TC1-9051	Snagless CAT 5 - 7' Black	\$4.99
TC1-9053	Snagless CAT 5 - 14 Blac	ck \$5.99
TC1-9054	Sangless CAT 5 - 25' Blad	:k \$9.99

## COMPUTER SHOPPER

Hardware	
Accessories/Supplies	296
Bar Coding/Point of Sale	296
Boards/Components/Chips	298
CD-Recordable Disks	296
Communications/Networking	298
Computer Systems	299
Mass Storage Devices	298
Peripherals	300
Scanners	
Used Equipment	300
Software	
Business Applications	300
Education	300
General	300
Services	
Data Conversion/Data Recovery	301
CD/Disk Duplication	302
Toner Cartridge Remanufacturing	302
Paradal Harashan	204

Ziff Davis Publishing

28 East 28th Street New York NY 10016

800 · 999 · SHOP

## SHOP, COMPARE AND BUY FROM A WIDE SELECTION OF PRODUCTS AND VENDORS.

Search a database of thousands of products by company, product and/or key words. Continually updated prices, products and special offers. Reviews from Ziff-Davis publications help you shop smart. Bookmark http://www.computershopper.com for the complete buying experience.

Anthony Danzi 212-503-3890 **Account Executive** 

DE, DC, MA, MD, ME, , NH, NJ, NY, RI, VA, VT, WV, Canada

Jane G. Day 212-503-3841 Account Executive CA, 90000 - 91999, 93000-93599

Aida Rodrigues 312-214-7337 **Account Executive** 

AK, AL, CT. FL, GA, IL, KY, LA, MI, MN, MO, MS, NC, NM, OH, PA, SC, TN, WI

Julio Loredo 415-701-2839 **Account Executive** 

CA, 92000 - 92999, AZ, CO, IA, KS, ND, NM, OK, SD,TX

> Julio Loredo 415-701-2839 Account Executive

CA, 93600+ ID, NV, OR, MT, UT, WA, WY

Katie Burke 212-503-5079 **Territory Management Specialist** 

Kristen Yeranian 212-503-3838 **Territory Management Specialist** 







WIRELESS VIDEO TECHNOLOGY





b sized small and light cam

CCU attaches directly to GVA-500 recorder Built-in 3,9mm F1.8 w/ manual focus and iris 2 Lux minimum illumination

Cable (6,5ft.) between camera head & CCU Variable shutter speed dial on CCU AE lock mode (On/Off selectable from CCU)

www.polarisusa.com 1.800.752.3571 Free Polaris Video Catalog



Turn your PC into a Powerful POS System. For sales, services, and/or rental businesses.

Features: Inventory, customers, employees, bar code label printing, standard or POS receipts, gift certificates, credit card interface, multiple monitor support, portable data collector support, layaways, A/R, POs, rentals, consignments, kitting, endless reports, and loaded with other features.

#### Complete System Special

Regit 2000 for Windows Software Star SP212 Receipt Printer 3" CCD Bar Code Scanner Steel Electronic Cash Drawer All Cables & Paper Included

\$689

Regit 2000 for Windows 95/98...\$239 Regit 2000 for Windows 95/98 Networks (unlimited)...\$389 Electronic Steel Cash Drawer...\$149 CCP Mar Code Reader.....\$169 VFD Fole Display 2820 lines...\$319

Call for, or download from the Internet, a FREE full working copy on CD-ROM and our complete POS catalog.

## www.apipos.com

MicroComputer POS Systems Since 1984 American Precison Instruments San Jacinto, CA 1-800-915-7779 Fax: 909-487-9276 Visa and Mastercard Accepted

LP-850p \$119.95

LP-850i \$109.95



Shop computershopper.com. 8 to http://www.computershopper.com. Thousands of products, hundreds 9





WSA

M HEWLETT IEM. TOSHIBA mita FUITSU EPSON XEROX" CAHOH Panasonic RIGOR SHARP NEC LEXMARK brother OKIDATA and all other brands

1\_888\_748\_1249 AMERICAN RIBBON







tridges 5 to 30 times - \$12.95 to 44.95 INNJET: Inks, Cartridges & Photo Papers.

Phone or Fax (609) 641-5235







www.pointofsale.com

1-888-430-1685 Fax 509-735-6299



vendors

==

=

one







SUNMAX Corp. 1-800-765-2271 9698 Telstar Ave. #303, El Monte, CA 91731 Tel: 626-401-1901 Fax: 626-401-1906

# PC-100 SDRAM

TEF COLUMN

0418 E. Welmit Drive 1A, Diamond But, CA 91785 fac 309-4

EDO, Past Page 5 Volt or 3.3 Volt 168Pin DIMMS or 72Pin SIMMS Buffered or Unbuffered Memory for PC's, Mac, Sun and more!!

## smsmemory.com

Buy Memory Direct from the manufacturer Great Prices

Lifetime Warranty 30 Day Satisfaction Guarantee memory types! Secure internet ordering
Orders received before 3:00pm Pacific M-F shipped that day

Your #1 source in specialized memory as well as common

Call: 800-580-5118 or 408-492-9770 Fax: 408-492-9915 Address: 370 Laurelwood Road #106 Santa Clara, CA 95054

## Blank CD-R Silver/Silver 8X 100% Certified

74Min .ea 650Mb gty 500

74Min Sil/Sil 200<sup>pt</sup> .69¢ea 80Min 700Mb 200th 99cea Window CD Envlp. . 8¢ea

kodak, TDK, Sony, Mitsui

888-577-8889

## WHY IS THE COMPETITION SHAKING?

•800•4•MEMORY IS HERE

ANY QUOTED PRICE ON ANY MEMORY FOR ANY COMPUTER (NOTEBOOK, DESKTOP, PRINTERS, CAMERA) ANYWHERE . . . PERIOD!

- LIFETIME WARRANTY FREE TECH SUPPORT
- NO CREDIT CARD SURCHARGE
- MOST ORDERS SHIPPED SAME DAY

## CALL AROUND / THEN CALL US

CHECK OUR WEB SITE AT WWW.18004MEMORY.COM FOR SPECIALS 



# 60 5 http://www.computershopper.com. Thousands 9 products, hundreds of vendors





-VGA, LCD, SCSI on the board (option) PCI, ISA Backplane Board 3 to 20 Slot, Segment Available

**Rackmount RAID Enclosure** 

Single Board Computer Dual Pentium II to 486

J&K technology 43224 Christy Street, Fremont, CA 94538 800-499-2518 Fax 510-226-9482 M-F 8-5 pst



## AMC Systems

Your Source for Refurbished Laptops, Portable Printers & Peripherals at a Great Price

## Refurbished Laptops

IBM 760LD P90/24/810/MDM/TFT \$299 TOSHIBA 200CDS P100/24/810/CD/MDM/DS \$349 COMPAG LTE5280 P120/32/1.35/CD/MDM/TFT \$449 IBM 760EL P133/24/2.1/CD/MDM/TFT \$499 TOSHIBA 730XCDT P150/32/2.1/CD/MDM/TFT \$599 IBM 7650 P166X/32/3.0/CD/MDM/TFT \$699

## www.amcsystems.com 888-999-7199 / 909-444-9979

Complete listing of parts and accessories on the web

## www.backthruthefuture.com

ALL ORDERS OVER \$100 PLACED ONLINE RECEIVE A \$10 DISCOUNT (YOU MUST TYPE "COMPUTER SHOPPER" IN THE INSTRUCTION SECTION)

## REFURBISHED COMPAQ, DELL, HP, IBM COMPUTERS, NOTEBOOKS, MONITORS

## INTERNET SYSTEM

PENTIUM 100MHZ, 32MB RAM, 1GB HD, 40X CD, 56KB MODEM, 1.44 MB FD 15"SVGA \$229 (ORDER 30999)

PENTIUM 133MHZ, 32MB RAM, 1GB HD. 40X CD, 56KB MODEM, 1.44 MB FD 15"SVGA \$249 (ORDER 70299)

PENTIUM 166MHZ, 32MB RAM, 2GB HD, 40X CD, 56KB MODEM, 1.44 MB FD 15"SVGA \$299 (ORDER 40199)

PENTIUM 200MHZ, 32MB RAM, 2GB HD, 40X CD, 56KB MODEM, 1,44 MB FD 15"SVGA \$329 (ORDER 20100)

## NOTEBOOKS COMPAQ PENTIUM 75MHZ

32MB RAM, 2GB HD, 1.44 MB FD 11.5 TFT COLOR DISPLAY \$315

COMPAQ PENTIUM 120MHZ 32MB RAM, 2GB HD, 1.44 MB FD 11.5 TFT COLOR DISPLAY \$409

COMPAQ PENTIUM 150MHZ 32MB RAM, 2GB HD, 1.44 MB FD 12"TFT COLOR DISPLAY \$449

IBM PENTIUM 166MHZ 32MB RAM, 2GB HD, 1.44 MB FD 12 TFT DISPLAY \$469

#### MONITORS NAME BRAND 14" SVGA \$49

NAME BRAND

15" SVGA \$69

NAME BRAND

NAME BRAND

6PPM/8PPM, 300DPI \$99/\$125 HP LASERIET HISI/4SI NETWORK PRINTERS

PRINTERS

HP LASERIET HP/IHP

4PPM, 300DPI \$119/\$139

HP LASERJET II/III

17" SVGA .25DP \$149 18PPM/20PPM, 300DPI \$249/\$449 HP LASERJET4/4PLUS

21" SVGA .28DP \$299 8PPM/12PPM, 600DPI \$249/\$329

Back Thru The Future Microcomputers, Inc. -888-622-7278 MAJOR CREDIT CARDS ACCEPTED

A PERSONAL COMPUTER RECYCLING COMPANY, A WOMAN'S OWNED BUSINESS, MEMBER OF THE BETTER BUSINESS BUREAU

## Back-to-School Budget PC's

64MB RAM / 6.4GB HD / 50x CD-Rom / 15" Monitor / ATI X98 8mb Video/ Speakers w/Subwoofer / Accessories \$799\*

64MB RAM / 10GB HD / 50x CD-Rom /15" Monitor / ATI X98 8mb Video / Speakers w/Subwoofer / Accessories \$999\*

# DA Sanara

128MB RAM / 15GB HD / 50xCD-ROM / ATI X2000 32mb/ 17" Monitor / SB Live Value / ACS 45.2 Speakers/ Accessories \$1,299\*

Logicmart.com

1967 W Holl Ave, Pomona, CA 91768 Tel. 909 868-9985. Onsite Service, 24/7 Technical Support Order Toll Free 877 868-6575 Resellers. Gov't, Corporate programs available.

2

=

one place.

## YOUR NUMBER ONE DISCOUNT NOTEBOOK & PC CENTER



WE ALSO CARRY:

Batteries
 Toppy Draw
 Marchard Reserve
 Marchard Reserve

Software Discounts

WE'LL BETTER ANY DEAL!

Latest Versions Full Packages

Control Con

3D Suite V4

Act! Media Pack 2000 V5 Authorware V5.1 E-DOC

Cakewalk Professional 8

Cakewalk Home Studio 9

AutoCAD Lt 2000

Coda Finale 2000

CorelDraw V9

Code Warrior Pro 5.0

CorelDraw 9 Media pk

Director 8.0 Shockwave Studio

Dreamweaver/Fireworks Studio 3

Drumbeat 2000 ECommerce or JSP

Fireworks, Flash or Freehand 9

Freehand 9/Flash 4 Studio

Lotus Smartsuite Millennium

PC Anywhere 32 Media pk V9

Sonic Foundry Acid Pro V2

Visio Pro or Visio Tech 2000

WP Office 2000 Pro Media pk

MS Visual Basic or Visual C++

MS Visual Studio Pro or Ent.

MS DOS V6.22 Full DEM

Window 2000 OEM Pro

MS NT Workstation V4

MS NT Server w/ 5 client

WP Office 2000 Std

MS Office Pro 2000

MS Project 2000

Director 8.0 EDOC

Dreamweaver 3.0

FileMaker Pro V5.0

Final Draft 5.0

Home Site 4.5

Lightwave 3D V6

Illustrator V9

GoLive 5

InDesign

Live Motion

Painter V6

Premiere

Mathcad 2000

Mathematica 4.0

Photoshop V5.5

True Space 4.0

NetObjects Fusion

PageMaker Plus V6.5

Acrobat 4

Bryce 4.0

IBM 755C 486-50/12mb/540mb/TF7 \$299 DELL XPI P-150/32mb/2.1gb/CD/12.11 \$699 DELL XPI P-120mhz/24mix/810mix/fdd \$369

IBM 760XL 166MMX/48mb/2gb/CD/12.1\* \$749

TOSHIBA 400 P-75/16mb/810mb/CD/FX \$399 COMPAG 450mhz/32mb/5.1qb/CD/13.1'\$1169

COMPAQ P-120/32mb/810mb/11.3" TFT \$429 TOSHBA 450mhz/32mb/4.3nb/CD/12.1" \$1199 TOSHIBA 420 P-100/24mb/810mb/CD/FX\$499 COMPAQ 300mb/64mb/6.4gb/DVD/13.1\*\$1449

IBM 760 P-133/32mb/1-2gh/12.11 TFT/CD\$639 DELL PHI-500mhz/128mb/6-4gb/CD/14.11\$1979

## MACRO TECH INC.

179

79

399

319

149

139

79

229

109

149

99

349

699

99

145

99

159

139

95

145

159

68

189

399

799

189

89

145

135

95

319

215

69

339

389

239

295

219

159

99

85

159

489

259

219

189

Call

Call to Order: 800-656-2276
Shop Online: www.macropc.com
23151 Verdugo Drive, Sulte 102, Laguna Hills, CA 92653
Price & evalubility subject to change without notice
Fax 949-770-4950

## Why compromise? Ted Dasher Inc.

## Remarketed/New HP 9000/3000

## Peripherals

Printers Plotters Scanners Monitors Fax Machines

## Workstations/ **Personal Computers**

200, 300, 400, 700 Series B, C, & J Class Series Kayaks Vectra Personal Computers Laptops

## Servers

800 Servers NetServers 3000 Series

Large Discounts **Outstanding Service &** Support Immediate Delivery

### 800-638-4833

205-591-4747 • FAX 205-263-1108 Email: sales@dasher.com

554 37th Street N. Birmingham, AL 35222

## Be a computer repair expert!

Professional-level hom study course. Learn all about PC repairs, instal lation, troubleshooting. upgrading, and servic-ing. Open a profitable business; become a more valuable emmore valuable em-ployee. For free litera ture, send or call today

Call now: 800-223-4542

City /State \_

E-MAIL: SALES@PERIPHERALS-PLUS.COM WEBSITE: WWW.PERIPHERALS-PLUS.COM

800-444-7369 732-928-9600 Fax: 732-928-5500 10-6 EST

MS Windows 98 Full OEM w/ PLUS, 2nd Ed 149

Peripherals since

# The School of PC Repair, Dept. JJJ182 PCDL 430 Tech. Pky. Norcross GA 30092



HEWLETT PACKARD OKIDATA CANON ALPS

(203) 787- 4246 Fax (203) 777-7853

XEROX LEXMARK **DISCOUNTER** 

EPSON IBM

110 WEBS STREET HAMDEN, CT 06517

Distance Education / Home Study

## ACCREDITED B.S. DEGREE

Computer Science or Computer Engineering Technology

Easy-to-study lessons written by the Grantham staff, and supplied to students along with software and instructional assistance and personal help by mail, phone, fax. Our emphasis is on teaching you and guiding you to professional competence as well as your B.S. degree.

VA Approved • Our 50th Year • Accredited Member DETC

Catalog, Toll Free: 1(888)423-4242, ext. 12

## GRANTHAM

College of Engineering Grantham College Rd., Slidell, LA 70469-5700 E-mail:gce@grantham.edu www.grantham.edu

# PROGRAM FOR

# YOUR FUTURE!

Earn your B.S. or M.S. in Computer Science through distance education.

- Prepare for one of the thousands of computer science jobs available
- Increase your earning power
- Study from your home or office at your convenience
- Approved by more than 330 companies
- Follows ACM/IEEE guidelines
- Courses teach leading industry languages: C++, Java, Visual Basic, and more



For a free catalog call 1-800-767-2427 or visit cs.alcs.edu

www.yourdomain.com

80MB/6GB Transfer Control Panel FrontPage 98/2000 Personal CGI-BIN Site Statistics Personal Tech Support.

www.amhosting.net (775)331-3319

## A. I. T.

## [ Specialist in memory & cpu sales ]

INTEL	price	\$	PIII 550	119
			PIII 550 E	
Celeron 500	ppge	.57	PIII 600 E	121
			PIII 650 E	
			PIII 700 E	
AMD	price	5	K-7 600	.91
K6-II 500		39	K-7 650	98
K-7 550		73	K-7 700	101
S-DRAM	price	\$	64 PC 100	37
32 PC 100 .		.17	128PC 100	101
			ange without notice.	

Tel# 718 721 8466 Fax# 718 721 0729 30-07-32nd Street Astoria NY 11102

E-mail Aishaa1998@aol.com





#### **Buyers, Sellers & Dealers Welcome**

Acrobat V4.0 from\$137 FrameMaker V6.0 from\$599 Illustrator V9 from\$219 PageMaker V6.5.2 Plus from\$279 Photoshop V5.5 from\$329 WordPerfect 2000 from \$49 Acrobat 4.0 from\$137 WordPerfect Office 2000 from \$49 WordPerfect Office 2000 from \$79 CoreIDRAW V9.0 from\$190 Smart Suite V9.0 from\$49 Smart Suite V9.5 from\$199 Flash/Dweaver from\$149 Windraws 2000 from from\$149	Windows 2000 Server Upgrade         .from\$379           Advanced Server         .from\$2499           NT Server V4.0         .from\$338           Office 2000 Pro         .from\$279           Office 2000 Pro Upgrade         .from\$227           Office 2000 SBE         .from\$219           Project 2000         .from\$479           Visual Studio         .from\$189           Visual Basic         .from\$189           Visual C++         .from\$999           BackOffice \$4.5         .from\$899           SQL V7.0         .from\$850           SystemWorks 2000         .from \$20
Windows 2000 Pro trom\$149 Windows NT 4.0 trom \$69 Windows 98 Lic trom \$38 Windows 2000 Server trom\$679	SystemWorks 2000 trom \$24 Norton Anti-Virus V6.0 trom \$19 ACTI 2000
And that	te not all!

And that's not all!

www.bigclearance.com 888-828-3636

**CD** Duplicators Blank CD-R's Multimedia AV Video Cassettes Audio Cassettes Lowest Prices

888-374-8877

WWW.TrackmasterAV.com Why pay more?

## DATA RECOVERY *IN HOURS*

- # Over 10 years of experience with clients worldwide including MP, NASA, & FedEx.
- Millions of last megabytes saved. ■ No minimum charge or diagnostic fee. ■ = Call 24 hours a day to speak directly

with a Data Recovery Specialist.



## INKJET REFILL KITS 6-60 Refills per Kit \$\$\$ SAVE \$\$\$

Don't throw away your empty Cartridges EPSON, HP, REFILL THEM CANON, APPLE, LEXMARK

- Factory Specified Ink
- Black and Color Refills
- \* Black kits from \$29.95
- Color kits from \$39.95
- \* Compatible Ink Cartridges
- \* Copier Toner
- \* Ink Ribbons
- \* Remanufactured Toner Cart.

CANON A30 \$58.95 CANON E31 \$59.95 HP 92295A \$42.94 HP 92298A \$57.95 HP C3900A \$69.95 HP C3909A \$94.95 HP C4127A \$63.95 HP C4127X \$67.95

Call Toll Free for Information 888-867-3465 RE-INK AMERICA WWW.REINKAMERICA.COM PHOENIX ARIZ. Fax 602-233-3668

Master card, VISA, Discover accepted

# Savings for Students & Teachers

FREE CATALOG!



Graphics and Web Layout Bundle

Final Draft 5.0

\$149

\$149



AutoCAD LT 2000..... Borland C++Builder Pro 5.0...... Bryce 4.0..... Cakewalk Pro Audio 9.0...... Coda Finale 2000 CodeWarrior Pro R5... CoreIDRAW 9.0... CourseBuilder 3.0. \$69 Delphi Pro 5.0. Director 8.0 EDoo Eye Candy 3.01 \$79 FileMaker Pro 5.0.. Fireworks 3.0..... Gemini Plugin 2.0. HomeSite 4.5.... HyperStudio 3.3. Builder Pro 3.5 LightWave 3D 6.0.
Mask Pro 2.0.
Mathoad 2000.
Mathematica 4.0 Student. PhotoTools 3.0 writer 2000. SPSS 9.0 martSuite Millenium 9.5. TrueSpace 4.3 Vectorworks 8.5. Wacom Intuos 6x8 USB... WordPerfect Office 2000. Xenofex 1.0

(800)699-1836

Visit our WebSite for \$10 Off online orders.

www.softwareshowcase.com

## 100'S OF BRAND NAME PRODUCTS AT DISCOUNT PRICES!!!



your only source

HARD DRIVES Fujitsu 17/13/10/6/4/1.08......\$135/\$123/Call/\$99/\$89 IBM 37/25/18/13/3.2.....\$335/\$234/\$199/\$148/Call Maxtor 36/20/13/8/4/1.0..\$299/\$189/Call/\$129/99/\$85 

tern Digital 18/9.1

MOTHERBOARDS Intel 440882/810/CC826/VC820 . . .5129/S189/S139/S165 Intel 4408LZ/RIJL/CCS25/VCR20 .3129/5189/5139/5165
Milco-Star 513/51613/4139 . 577/599/5145
Superfillion DRE/DBU/810/179 . 5165/5385/5121/5119
TVAN 51587/1599/1830/1854 . 599/595/0at/5109
Rarebons 810/1096K10/100/CD/FD/KB/Musee . . .5190
V I D E O C A R D S

Dee 2000/3000/3500 . . . . ...\$85/8109/8109 FAX MODEM

14.4/33.8/56K ISA/PCMCIA \$10/\$19/\$28/Call 300M 2914/2978/2977 \$28/\$79/\$71 Creative Lab \$655/\$668/\$601/\$630 \$33/\$37/\$21/\$29 Diamond Sognama SeK/W Wolce \$23/\$38 Lucent BEK V.90 PCI MULTIMEDIA

## WWW.COMTREND.COM

Your one-stop shop for all your PC needs!

CPU MEMORY NOTEBOOK HARD DRIVES

Justum Digital 2.1/200/120 NOTEBOOK

0/760600X 6c 47 CF-47K 320/730/8000/3020/2715. NOTEBOOKS MEMORY

 
 Canon Ismow 1100T
 365
 \$112

 Compaq 1210/1610/1690
 \$65
 \$85
 \$116

 Dell 3000/W200/W233
 \$49
 \$78
 \$114

 Epson 890/895/910
 \$69
 Sharp 9040/9070/9080 . . . . . . . . 569 . . 5119 

## CALL 888.266.8763 TODAY

Call For Pricing on Available Systems

10% OFF!

9

2

=

one



## CD COPIER

A Professional CD Copier that's Easy to Use and Affordable!

- \* Copies virtually any type of CD
- without a computer.
  Fast 40X copying:
- \* Record music (analog or digital).

NEW!

Starting at 1799.95

COPY SERVICE, Supply us your CD or Dishette. Copies in 24 Hours. PRINCETON BULK MEDIA, Disks and CD-R's DIS

www.princetondisc.com

800-426-0247

## CD Copiers & CD Printers



- Desktop CD Copiers Copies CD-ROM, Data,
  - Audio CDs, MP3 CDs
- · Standalone models
- · Automated models
- **CD Printers**
- · Full COLOR Photo grade · Automated models

www.copypro.com 1-800-887-9906

COPYPRO



Diskette Duplication Software Packaging &

Manuals CDR Burning Equipment

Fulfillment Services 888.692.DUPE



ati, OH 45226 www.duplisoft.com



100% REPLACEMENT WARRANTY

## 877·TO·BUY·CDS • 516·771·1935

CD-R 650 MB 74 Min Bty 100 \$0.59ea -

CD REPLICATION, Print and P.

- -111 ▶ CO-R 730 MB 80
- Min Gty 100 SO.89 9 656 MB 74 Minute CO-R SO ROW
- D Consumer Bigital Audio 74 Minute with Jewel Case AX CORW in Jewel Case \$1.50es (Min 10 pcs) -111

650 MB 74 Minute CB-R Silven Silven 12X Certified Mrn Gty 100 S0.68ex Gold/Gold 80 Minute 730 MB CB-R 12x Certified \$0.9460 Oby 100

Min Gty 100 S0.89es

S59 M8 74 Minute GD-R

8x Cartified Sheer/Silver
Min Gty 100 \$0.64es

Black Playstation
Media in Jewel Case
Min Gty 100 \$0.76es

Check our web site for our complete Catalog with pricing and online ordering.

FREE UPS GROUND ANYWHERE IN USA!! Se Habla Espanol.

WE WILL MATCH ANY PRICE IN COMPUTER SHOPPER!!

WWW.FUTUREDISK.CO

## SOFTWARE DUPLICATION Don't Delay, Do it Today!



CD-R

Quick Turnaround NO Minimums!!!

I.D. DISK CO. 1-800-882-6454

www.iddisk.com

Computer Shopper: Expert advice. Extensive selection. Active Buyers.

> Call your Account Representative today! 1-800-999-SHOP



www.computershopper.com

## WWW.CD-DUPLICATORS.COM

## CDR Publisher

Automated CD Duplicator & Printer.

\* 50-100 Disc Capacity

Apollo Pro

150 Disc Capacity

(12 CDs per hour)

- \* 1-4 8x Speed CD-R Drives 24 CDs per hour )
- \* 1200dpi Full Color Printing

Automated CD Duplicator.

2 8x Speed CD-R Drives

## Duplication Services

\* Call for a custom quote



## DSR Series by **MICROBOARDS**

Online

Ordering!

Largest Selection Anywhere! \* Up to 10 8x Drives

\* 60 CDs/hour or more



## Comet

Automated CD Printer.

- 50 Disc Capacity
- Uses SIG-III CD Printer
- 1200dpi Color Output

## **ASK THE EXPERTS:**

Disc Recording Tech. 888-748-0355

# Fee 4 ......

## **GUARANTEED LOWEST PRICES!**

CD/DVD DUPLICATORS(COPIERS), MEDIA, PRINTERS, PACKAGING, INK CARTRIDGES

This small advert has the power for us to pass the savings to you For complete info and photos, please visit our website You will be glad you did!!

Just a sample of our prices

New! 12-speed CDRs at only 49 cents! 1-1CD Standalone Duplicator from\$600 100% Warranty

CdrDvd.com

# MR. INK JE Complete Refilling Kits

Reduce your printing costs up to 80% by refilling your existing cartridges. Do-it-yourself kits include illustrated instructions, tools, and inks.

REFILL KITS AND CARTRIDGES AVAILABLE FOR

Hewlett Packard, Canon, Epson, Lexmark, Apple, Xerox, Okidata, Brother, Compaq, NEC, Digital, and Pitney Bowes

www.inkjetkits.com olce: 815-744-3475 Fax: 815-744-3470

Lab Software, Inc.

**Small Business** Shoppers are in the market for your products and services.

Call your Account Representative today!

1-800-999-SHOP



www.computershopper.com



# Expect More, Pay Les

## GiGaNetPc.com

Built 100% New, Guaranteed! Internet Access & Email - Free!

- AMD Athlee K7 800 MHz
   200Mhz FS Bus, 512K L2 Cache, 4 USB Ports
   30GB Utra ATA66 Mard Drive
   768 MB PC-133 SDRAM
- 768 MB PC-133 SDRAM CD-RW Road/Writer 8x4x32

- Lotus Smart Suite Corol WordPerfect Office 2000
- 50 Game Pack
   3 year PreferredTech Exmod Warranty
- \$1,989 paines Lease
  MINISTER 1,989 paines Lease
  MINISTER 1,989 paines Lease
  MINISTER 1,989 paines Lease
  MINISTER 1,989 paines
  MINIST
- TIV Super 27 Color Monitor add \$299 xcernego 17' Super M. 27 Calor Monitor TV add\$295 xcern/17Acc 17' Super 27 Color Monitor add \$185 xcernelio

# You'll Save Cash! TwinPackPC.com



# We Guarantee It!



New -- The TwinPackPC.com platform is perfect for multi player games. There is no network set-up, you just plug-in, work or have fun.

## Built 100% New, Guaranteed! Internet Access & Email - Free!

- 2 Intel Pentium III 650 MHz

- 2 USB Ports 10/100 Ethernet card 25 feet Ethernet cables

- 2 25 leef Ethernet cables

  1. Network 8 port Ethernet hub
  2. 8.4 GB Utra ATA Hard Drive
  2. 6.4 MB PC-100 SDRAM
  2. 44X CD RPM Drive
  2. 8 MB AGP Graphic Card
  2. PCI ACQT Digital Sound 64 voice on board
  2. 56X V90 PCI internal modern
  2. 1.44 MB Ploopy Drive & Microphone
  2. 1.44 MB Ploopy Drive & Microphone
  2. 1.50W Midlimedia Speakers
  2. PSS Win Keyboard & Hi-Res. Mouse
  2. Window 98 2nd Edition Plus wi Manual & CD
  50 Game Pack
  1 year Parts / Labor Limited Warranh\*\*\*
- 1 year Parts / Labor Limited Warranty""

7 AGC.com

E.com

## OxfordPC.com

Built 100% New, Guaranteed! Internet Access & Email - Free!

- +AMD Athlen K7 850 Mtz AMDZ 200Mtz FS Bus 812K L2 Cache

- 4 USB Ports
  4 USB Ports
  5 USB Ports
  126 MB PC-100 SDRAM
  10-RW Read/Writer 4x4x32
  16x Piencer DVD-ROM
  10ightal Color Internet Camera
  Riva TNT2 MS4 32 MB SDRAM Graphic
  10-RW Sound Buster Levelhille Sound & Mic.
  320 ML USB 956 V SD Parklylas WirModem
  144 MB Ploppy Drive/Microphode
  15 USB PS6 V SD Parklylas WirModem
  15 USB PS6 V SD PS6 V SD

- 1,44 MB Poppy Drive/Microphone Kinyo 3pcs Flat Pennel Subwooler Internet Kryboard / WebScroll Mouse Mid ATX Tower Case Wings 2nd Edition Plus willianual & CD Letus Renat Subs

\$1,439 Bairess Lates
Available
AND RT 950 Mile: \*1,729 40X7900400
AND RT 900 Mile: \*1,639 40X7900400
AND RT 900 Mile: \*1,639 40X7900400

19" Super .27 Color Monitor add \$299 ecanadio

## SupremePC.com

Built 100% New, Guaranteed! Internet Access & Email - Frue! Intel Pontium III 700 MHz

- 2 USB Ports
  20 GB Ultra DMASS Hard Drive
- 20 GB Litta DMA66 Hard Drive
  128 MB Feat SDRAM Memory
  10x Pioneer DVD-ROM
  Digital Color Internet Camera
  Rive TMT2 128bts 2MB Av AGP Graphs
  Ceredive Sound Blaster Live Value Sound State
  3-COM USB PCI Sek 199 Fry WinModem
  1-4 MB Floory Drive & Microphone
  3pec Fiel Pennel Subwoode System
  Internet Keyboard (WebScroll Mouse
  Mid ATX Forwer Case
  Win88 Zho Editor Plus Minarual & CD
  Lotus Smart Suite

   128 Maria Submoder State
   148 Maria Submoder System
   158 Maria Submoder Syste

- Lotus Smart Suite
   Corol WordPorfect Office 2000
   Webster's Encyclopedia CD, 50 Game
   3 year PreferredTech Exthd Warranty

\$1,159 Parallella Linde Analable Share Linde Analable Share Parallella Manalable Share Parallella Mana

19" Super 27 Color Monitor add \$290 ycurryADD

# ForceNetPC.com

- Internet Access & Email Free!

  AMD Athlen K7 700 MHz

  200Mb F5 Bus, 578K C Cache, 2 USB Ports

  20 GB Um ATA66 Hard Drive

  128 MB PC-102 SDRAM

  CD-RW Read/Writer 4x4

  RIVA TNT2 Vacta 16 MB AGP Graphic

  Yamada 744 Mult-Channel PCI Sound

  3COM USB 56K V30 FV Hardware Modem

  1,144 MB Riseau Drives Microchone

- 3pcs Flat Panel Schwoler System
  PS2 Win Keyboard & Hi-Res Mouse
- PS2 Win Keyboard Mid ATX Tower Car
- Wind 2nd Edition Plus wilderual & CD Webster's Encyclopedia CD 50 Game Pack 1 year Parts / Labor Limited Warranty\*\*\*

\$989 Rustratio

AMD K7 800 MHz . 11,000 MYTP7160AGO

19" Super 27 Color Monitor add \$299 schriskidd 17" Super M 27 Color Monitor TV add\$295 systry (1955) 17" Super 27 Color Monitor add \$185 schrijkidd



## ChargerPC.com

Built 100% New, Guaranteed! Internet Access & Email - Free! Ital Pentium III 600 MHz

- 2 USB Ports
  6.4 GB Utte ATA Hard Drive
  6.4 GB Utte ATA Hard Drive
  6.4 MB PC-100 SDRAM
  44X CD-Rom Drive
  8 MB AGP Graphic Cad
  PCI ACST Digital Sound 64 voice on boad
  95K V30 PCI Internal modern
  1.44 MB Plappy Drive 8 McTorphone
  1.60W Multimedia Speakers
  952 Wis Kauchsand 8 Hi-Ras, Mouse

- PS2 Win Keyboard & Hi-Res. Mouse Mid ATX Tower Case 50 Gene Per

## SurfNetPC.com

Built 100% New, Guaranteed!
Internet Access & Email - Free!
- AMD KG-2 500 MHz
- 2 USB Pors, 3 PCI & 1 ISA Slots
- 6.4 GB Utte ATA Hard Drive
- 6.4 MB PC-100 SDRAM
- 44X CD-Rom Drive
- 8 MB AGP Graphics on board (shared)
- PCI 30 Sound on board
- SEK V. 90 PCI (internal Modern
- 1.44 MB Ploppy Drive Microphone
- Mutumeda Speakers
- PSC Win Kelpoland & H-Res, Mouse
- Mid ATX Tower Case (3 Large, 2 Sinst Bay)
- 50 Game Pack

# **Upgrades & Accessories**

Newl - The Worlds Fastesi DVD RON	W
Pioneer 16x DVD ROM	only \$184
Sony CD-RW Read/Writer 10x4x32	\$299
Sony CD-RW Read/Writer 8x4x32	
Panasonic CO-RW Read/Writer 8x4x	32 \$229
CD-RW Read Writer 4x4x32	\$185
Zip inf.100 MB / 250 MB	\$65 / 139
Software:	

Windows 98 2nd Edition Plus wiMan & CD \$98 Lotus Smarl Suite \$49 MicroSoft Windows 2000 Professional \$158 MicroSoft Office 2000 Small Office Edition\$199 Multimedia: Kinyo Spos Flat Panel Subwooler system .\$35

Communication Device: PCI 10/100 Ethernet Card . Memory 64 MB RAM PC/100 SDRAM 128 MB RAM PC-100 SDRAM 256 MB RAM PC-100 SRAM

17" Super .27 1280x1024 Color \$185 17" Super M Color Monitor with TV IN Tuner \$295 19" Super .26 1600x1200 Color 17' ViewSonic E771 .27 Flat Sq. Color . .\$235 19" ViewSonic E790 .26 SVGA Color 21" ViewSonic G810 .25 Flat Color \$405

15" Princeton TFT Flat Panel Color . . . PreferredTech.com Extended Warranty Plans

2nd year Warranty \$99 3rd year Warranty \$149 4th year Warranty \$159





Avantgarde
Sales Line Only - Mon. thru Pri. 9am to 6p

888-743-6777

**Tech Support Direct Line** 626-821-1305 **Forms of Payment** 





Bank Wirn Act Lnasing



# 

## HARD DRIVE

## Quantum.

18.2 GB \$345 SCSI Ultra 160/m Int. (XC318400LW)



\$475 Ext. (XC318400LWX)

## HARD DRIVE

We've get HOT, NEW USB and 1394/Firewire products galore! Check out our web bargains at: www.dirtcheapdrives.com/USB & www.dirtcheapdrives.com/1394

## HARD DRIVE



18.2GB \$339 Ultra 160 SCSI (ST318436LW) Int.



Barracuda 18XL \$469 Ext. (ST318436LWX)

## TAPE BACKUP DRIVE

## SONY

20-40 GB \$1099 Ultra-2 SCSI Ext. (SDT11000X)



DDS-4 DAT \$969 Int. (SDT11000AI)

## TAPE BACKUP DRIVE

PACKARD

10-20 GB \$385

SCSI-2 TR-5 minicartridge Surestore T20i \$475 Ext Int. (C4394A) (C4394AX)

## TAPE BACKUP



(STT28000A) Int. \$189

## Seagate

ATAPI/IDE TR4 4-8GB ATAPI/IDE TR4 4-8GB SCSI TR4 4-8GB SCSI TR4 4-8GB

(STT28000AX) Ext. \$319 (STT28000N) Int. \$225 (STT28000NX) Ext. \$295

#### HARD DRIVES

## Quantum

(dirtcheapdrives.com/qtm)

COTTO AT				
Capacity	Cache	RPM	Part #	Price
7.5GB	512K	5400	QML07500LC	\$89
10.2GB	2MB	7200	QMP10200LM	\$118
15.0GB	512K	5400	QML15000LC	\$129
15.0GB	2MB	7200	QMP15000LM	\$135
20.0GB	512K	5400	QML20000LC	\$145
20.5GB	2MB	7200	QMP20500LM	\$158
30.0GB	512K	5400	QML30000LC	\$209
30.0GB	2MB	7200	QMP30000LM	\$245
SCA & SC	A ULTRA-	Single Co	nnector Attachment	
9.1GB	4MB	7200	XC309100SCA	\$219
9.2GB	8MB	10,000	TY3092005CA	\$383
18.3GB	4MB	7200	XC318400SCA	\$345
18.4GB	8MB	10,000	TY318400SCA	\$585
36.4GB	4MB	7200	XC3364005CA	\$689
36.7GB	BMB	10,000	TY336700SCA	\$999
73.4GB	8MB	10,000	TY373400SCA	\$1739
ULTRA 16	0 SCSI (16	O MB/sec)		
9.1GB	4MB	7200	XC309100LW	\$219
9.2GB	8MB	10,000	TY309200LW	\$383
18.3GB	4MB	7200	XC318400LW	\$345
18.4GB	8MB	10,000	TY318400LW	\$585
36.4GB	4MB	7200	XC336400LW	\$689
36.7GB	8MB	10,000	TY336700LW	\$999
73.4GB	RMR	10,000	TY373400HW	\$1739

		1494.64	1,100 304 100 011	
IBN	1		(dirtcheapdriv	es.com/ibm)
ULTRA AT	7A-66 IDE			
15.3GB	2MB	7200	07N3927	\$138
20.5GB	512K	5400	07N3924	\$137
20.5GB	2MB	7200	07N3928	\$165
30.7GB	2MB	7200	07N3929	\$229
41.1GB	512K	5400	07N3926	\$246
46.1GB	2MB	7200	07N3931	\$289
61.4GB	2MB	7200	07N3933	\$459
76.8GB	2MB	7200	07N3935	\$569
ULTRA 10	16 (160MB	/sec)		
9.1GB	4MB	7200	07N3120	\$245
9.1GB	4MB	10,000	07N3220	\$333
18.2GB	4MB	7200	07N3110	\$359
18.3GB	4MB	10,000	07N3210	\$499
36.4GB	4MB	7200	07N3100	\$717
36 9CR	AAAR	10.000	028/3200	6950

## HARD

all.	Seag	ate	(dirtcheapdrives.com	√sea
ULTRA AT	TA/66 IDE	Ultra ATA-66 PC	controller \$35 m/ drive (UL)	TRAGE)
10.2GB	512k	5400	ST310212A	\$9
10.2GB	2MB	7200	ST310210A	\$11
15.3GB	512k	5400	ST315323A	\$11
15.3GB	2MB	7200	ST315320A	\$13
20.4GB	2MB	7200	ST320420A	\$16
20.4GB	512k	5400	ST320423A	\$13
30.6GB	2MB	7200	ST330630A	\$19
ULTRA SO	CSI			
9.2GB	2MB	7200	ST39216N	523
18.4GB	2MB	7200	ST318416N	\$33
ULTRA W	ide SCSI			
9.2GB	2MB	7200	ST39216W	\$23
18.4GB	2MB	7200	ST318416W	\$33
Ultra 160	5C51 (up	to 160MB/	sec)	
9.2GB	2MB	7200	ST39236LW	\$23
9.2GB	4MB	7200	ST39236LWV	524
9.2GB	4MB	10,000	ST39204LW	\$33
18.2GB	4MB	10,000	ST318404LW	\$49
18.4GB	2MB	7200	ST318436LW	\$33
18.4GB	4MB	7200	ST318436LWV	\$35
36.7GB	4MB	10,000	ST336704LW	\$86
36.7GB	16MB	10,000	ST336704LWV	588
73.4GB	4MB	10,000	ST173404LW	\$138
73.4GB	16MB	10,000	ST173404LWV	\$140
SCA & SC	A 160 (Sir	igle Connect	or Attachment)	
9.2GB	2MB	7200	ST39236LC	523
9.2GB	4MB	7200	ST39236LCV	524
9.2GB	4MB	10,000	ST39204LC	\$33
18.2GB	4MB	10,000	ST318404LC	\$49
18.4GB	2MB	7200	ST318436LC	533
18.4GB	4MB	7200	5T31B436LCV	\$35
36.7GB	4MB	10,000	ST336704LC	\$86
36.7GB	16MB	10,000	ST336704LCV	\$89
73.4GB	4MB	10,000	ST173404LC	\$138
73.4GB	16MB	10,000	ST173404LCV	\$140
FC-AL FIL	re Chann	el 160 (Art	pitrated Loop)	
9.2GB	4MB	10,000	ST39204FC	\$33
18.2GB	4MB	10,000	ST318404FC	\$49
TO TON	44.490	10 000	CHARLES AND	22.0

## HARD

WESTERN DIGITAL	(dirtcheapdrives.com/wd)
-----------------	--------------------------

ULTRA AT	A-66 IDE	Litra ATA-66	PCI controller \$35 w/ drive	(ULTRA66)
8.4GB	512k	5400	WDAC84AA	\$94
10.2GB	512k	5400	WDAC102AA	596
13.0GB	512k	5400	WDAC136AA	\$115
15.3GB	2MB	7200	WDAC153BA	\$139
20.5GB	512k	5400	WDAC205AA	5139
20.5GB	2MB	7200	WDAC205BA	\$168
30.0GB	512k	5400	WDAC307AA	\$189
45.0GB	2MB	5400	WDAC450AA	5245

## Mardor

(dirtcheapdrives.com/max)

			controller \$35 w/ drive (U	
15.3GB	512K	5400	M31536U2	5114
20.0GB	2MB	7200	M52049U4	\$155
20.4GB	512K	5400	M32049U3	\$125
30.0GB	2MB	7200	M53073U6	\$199
30.7GB	512K	5400	M33073U4	\$169
40.0GB	2MB	7200	M54098U8	\$268
61.4GB	2MB	5400	M96147U8	\$299

## LAPTOP DRIVES

TOSHIB.	A			
Capacity	Height	RPM	Model	Price
6.0GB	9.5mm	4200	MK6014MAP	3145
12.1GB	9.5mm	4200	MK1214GAP	\$205
18.1GB	12.5mm	4200	MK1814GAV	\$363
IBM				
5.0GB	9.5mm	4200	07N4391	\$159
6.0GB	9.5mm	4200	DA206000	\$145
10.0GB	9.5mm	4200	07N4390	\$245
12.0GB	9.5mm	4200	DA212000	\$209
18.1GB	12.5mm	4200	DA218000	5329
20.0GB	12.5mm	4200	07N4388	\$409
25.3GB	17mm	5411	DA225000	\$519
30.0GB	12.5mm	4200	07N4392	\$545
HITACH				
6.0GB	9.5mm	4200	DK32AA-60	5142
12.0GB	12.7mm	4200	DK23AA-12	\$209

-			
	Hard Drive Caddies Jus	st \$45	each!
	Int/Ext PC Card reader for desktop PC (PCD220/PED22		\$79
	Parallel/PONCIA ent drive case for 2.5" IDE (PPCASE2.5/PCMCIA2.5)		5119
	2.5" to 3.5" adapter kit IDE/SCSI (IDEKIT-2.5/SCSIKIT-		\$15
	Diskmanager partitioning software (DISKMANAGER)		\$12
	EN IOI NECESSORIES		

Nabady beats Dirt Cheap Drives for Seagate drives. Call Us! We need your help! Last year you voted us as the Best Place to Buy Storage & Computer Accessories in the 1999 Shopper's Choice Awards. Help us place first again this year by casting your vote. Look in this month's August issue for details on voting & how to win cash & prizes!

ST336704FC

ST173404FC

10.000

10,000

8-2000 **Computer Shopper** 

> Page 1 of 10





36.7GB

73.4GB

4MB

4MB

\$869

\$1439

Sales lines open Mon - Fri 8-8, Sat 9-3 CST

# D) ? 3

**Voted by Computer Shopper** Readers as the "Best Place to Buy Storage" AND the "Best Place to Buy Upgrade Components/Accessories'



(SDW1111)

## RAM DRIVE

## CREATIVE



1x16x2 \$279 Complete SCSI Kit Reads DVD-ROM, DVD-R, CD-R & CD-RW disks. Stores up to 5.2GB on a single disk. (CLDVDRAM)

## CD-RW DRIVE

## YAMAHA

8x4x24 \$259

With mastering soft. & 1 disk.

SCSI-2 Kit

Int. (YCRW8424WOW)



\$299 Ext. Kit (YCRW84245X)

We include 5.25" mou

## DVD RAM DRIVE

## Panasonic



1x20x2 \$589 Complete SCSI-2 Kit Reads DVD-ROM, DVD-R, CD-R & CD-RW disks. 2MB buffer. W/soft. & 2.6GB DVD disk. (LFD103U)

## DRIVE

## iomega



Ultra-2 SCSI (JAZ2X) External Drive

\$85 each (JAZC2GIGPC)

We include 5.25"

## Laptop

Reads DVD-ROM, DVD-R, DVD Video, Video CD,

CD-ROM, CD Audio, CD-R & CD-RW disks. 2MB buffer

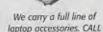
## TEM



TOSHIBA

1x16x2 \$409 Bare 5CSI-2 Drive

Stores up to 5.2GB on a single disk.



## TAPE BACKUP

## Seagate

Minicartridge

 Includes 1 FREE tape, cable, manual, Win/NTWS backup software ATAPI (IDE) \$189 \$319 \$25(TR4) TR4 4-8gig (STT28000A) \$385 \$43(TR5) TR5 10-20gig (STT220000A) \$255 Extra Tapes Ext. SCSI 5295 \$25(TR4) TR4 4-8gig (STT28000N) \$225 SCSI RCVT includes All & A

TR4 4-8gig (STT28000NC) \$25(TR4) \$43(TR5) TRS 10-20gig (STT220000N) \$459 \$549

## PACKARD

includes 1 FREE tape, manual, , DOS/Win backup software Extra Tapes SCSI TRS 10-20gig (C4394A) \$43(TRS)

## **≥**Exabyte

8mm, 120MB/min, EUANT820 \$1149 \$12 (DAT160M8MM) 7-14Gig 8mm,360MB/min, EXB8900 \$1999 S80 (AME 170) 20-40Gig \$4349 \$12 (DAT (COMBINITY) 140-280Gig 8mm, 180MB/min, EZ175WK

#### HEWLETT" PACKARD

DDS-2, 60MB/min, C1599AI \$525 \$9 (DAT120M) 4-BGig DDS-3, 120MB/min, C1554AI \$709 \$20 (DAT125M) 12-24Gig \$1119 \$45 (DAT (50M) DDS-4, 180MB/min, C5686A DDS-3, 120MB/min, C5648A 20-40Gig \$1669 \$20 (DAT125M) 72-144Cig

## Seagate

\$419 St (DATION) 2-4Gig DAT-DC 66MB/min STD24000N \$225 \$24 (TRA) Mini. 30MB/min.STT28000N 4Gig Mini, 60MB/min,5TT28000NC \$349 \$14 (TR4) 4-8Gg \$499 to (DATI20M) DDS-2 DAT, 66MB/min, STD28000N 4-8Gig Mini, 100MB/min,STT2200BARE \$279 \$41 (TRS) 10-20Gig \$919 \$45 (DATISON) 20-40Gig DDS-4 DAT, 330MB/min, STD2401LW 12-24Gig DDS-3 DAT, 132MB/min, STD224000N \$689 S9 (DATT20M) AIT,360MB/min, STA2701W \$1759 \$150 (\$24670) 35-70Grg DDS-2 DAT, 66MB/min, STL496000N \$1999 \$20 (DAT (25M)) 48-96Gio

## BAC

## SONY

4-8Gig DDS-2 DAT, 90MB/min, SDT7000Al \$519 \$9 (D4T120M) DDS-3 DAT, 144MB/min, SDT9000A/ \$679 \$20 (DW1125M) 12-24Gig DDS-4 DAT, 288MB/min, SDT11000AI \$969 \$45 (DAT150M) 20-40Ge 160-320Gig DDS-4 DATloadet, 840MB/min, TSUS11000 \$2559 \$45 (DATISON)

## Quantum.

Get a DLT4 tape for only \$65 when

20-40Gig	DLT.180MB/min, DLT4000	\$1299 \$65 (DU4)
	External, our case, DET4000X	\$1399 \$65 (DUT4)
	External, Quantum case, DLT4000QX	\$1549 \$65 (DUT4)
40-80Gig	DLT, 600MB/min, DLT8000	\$3879 \$65 (DUT4)
	External, our case, DLTB000X	\$3979 \$65 (DUT4)
	External, Quantum case, DLT8000QX	\$3999 545 (DLT4

DLT MEDIA SALE	1-4	5-9	10-49	50+
DUTIII 10-20GB (DUT3)	\$36	\$34	\$32	\$30
DLTIII XT 15-30GB (DLT3XT)	\$39	\$36	\$34	\$33
DLTIV 20-40GB (DLT4)	\$69	\$67	\$65	\$64
DLT Cleaning tape (DLTCLEAN)	\$40	\$39	\$36	\$35

## HOT TAPE DRIVES

New Advanced Digital Recording (ADR) tape drives offer an excellent value. These drives store 15GB native or up to 30GB of compressed data. And they include awesome backup software. It even includes a "drag and drop" software that allows you to use this drive as a standard disk drive under Windows.

15-30GB internal IDE w/software (0530IDE)	\$275
15-30GB internal SCSI w/software (05305CSI)	\$435
25-50GB internal SCSI w/software (OS50SCSI)	\$515
25-50GB internal SCSI LVD w/software (0550LVDI)	\$579
70GB internal SCSI LVD w/software Coming Soon!	<b>SCall</b>
T	

## SONY AIT Tape Drive

25-50GB	AIT Inter	nal	(SDX-300CI)	\$1595
25-50GB	AIT Exter		(SDX-S300C)	\$1999
50-100GB	AIT-2 Int	emal	(SDX-500CI)	\$2929
50-100GB	AIT-2 Ext	ernal	(SDX-5500C)	\$3369
AIT Media				
35GB (SDX(35C)	1-4 \$89	5-9 \$87	10-49 \$85	50+ \$80

50GB (SDX250C) 1-4 \$129 5-9 \$125 10-49 \$120 50+ \$115 We appreciate your business!

## BACKUP

#### Seagate (formerly Veritas) (formerly Seagate) Backup Exec

Windows 95 & 98 (SBEWDWD) Windows NT workstation (SBENTWD) \$69 Windows NT/2000 Exchange Server Agent (SBENTEXOD6) \$495 Windows NT/2000 SQL Agt E/F/G/S/I (SBENTSQ0007) \$569 Windows NT/2000 Server En (SBENTSR0000) Small Business Server Suite (SBENTSB) \$429 Netware single server & unlimited users (SBENWSE) \$449 \$829 Netware multi server (SBENWME)

#### NovaStor

NovaBack CD contains backup software for DOS, Win 3.1, Windows 95, Win NT, and OS/2 Compatible with SCSI, IDE, and QIC drives (19801)

NovaBackup for Windows N1/2000	
Server (29801)	\$125
Workstation (29821)	\$59
NovaNet 8 for Windows	
SE for Windows NT/2000 (79210)	\$299
Single Server for NT/2000 (79230)	8415
Unlimited for NT/2000 (79250)	\$715
NovaNet 8 for NetWare	
SE (79310)	\$319
Single Server for NetWare 25 User (79320)	\$339
Single Server for NetWare 1000 User (79330)	\$419
Unlimited for NetWare 25 User (79340)	\$589
Unlimited for NetWare 1000 User (79350)	\$689

## MicroSolutions

Microsolutions offers a complete line of plug and play external drives. These drives easily interface with your computer's parallel printer port. They also have a pass through connector so you can

ase your printer at the same	en milion
32X CD-ROM	#BACKPAC
32X CD-ROM w/sound	#BACKPAC
6GB Hard Drive	#BACKPAC
BGB Hard Drive	#BACKPAC

32X5 \$195 K6G \$259 \$295 KBG #BACKPAC4X20 \$285 4x4x20 CD Rewritable

#### NEWI Quantum's SnapScan Server

Add fast and easy storage to your network with quick installation & no disruption, Avail in 10 & 20 GB. Call.

These are one of the hottest items we have seen in years!

Dirt Cheap Drives www.dirtcheapdrives.com

8 - 2000 Computer Shopper

\$165

Page 2 of 10



# DIRT GHEA

# Seagate Seagate

✓ More Speed

**More Capacity** 

**Less Cost** 

## 000mm Cheetah Hard Drive



Ultra 160 SCSI

9GB 18**GB** 36GB 73**GB** 

2GB/sec Fibre Channel

18**GB** 36GB

Fastest Hard Drive in the World!

## 200<sub>RPM</sub> Barracuda Hard Drive



**Ultra Narrow & Wide SCSI** 

Ultra 160 SCSI

18**GB** 

Best Selling Hard Drive in the World!

## to 20GB Travan Tape Drive



ATAPI (IDE)

4GB to 8GB

10GB to 20GB

SCSI

4GB to 8GB

10GB to 20GB

Best Selling Tape Drive in the World!

## THE ELST PLACE TO EUX SEAGATE IN THE WORLD

	CHEETAH Ultra 160 SCSI	CHEETAH Fibre Channel	BARRACUDA Ultra Narrow/Wide SCSI	BARRACUDA Ultra 160 SCSI
9GB	\$339	\$339	\$231/\$231	\$231
18GB	\$495	\$495	\$338/\$338	\$339
36GB	\$869	\$869		
73GB	\$1439	\$1439		

	TRAVAN ATAPI	TRAVAN
4-8GB	\$189	\$225
10-20GB	\$255	\$459



www.dirteheandrives.com/seapate

# Quantum

If It's Important To You, Save It With Quantum



**Exceptional Value for Servers,** Workstations and Subsystems

## ATLAS V

- · Up to 340MB/sec transfer
- · SPS II (Shock Protection System II)
- 9.1<sub>GB</sub> \$219 · DPS ( Data Protection System) 18.3<sub>GB</sub> \$345
- · 1" high form factor 36.7<sub>GB</sub> \$689 · 9GB per platter



## Leading The Industry In Top Value and Performance

## Fireball.lct

- 7.5GB \$89
- 15.0gB \$129
- 20.0<sub>GB</sub> \$145
- 30.0<sub>GB</sub> \$209
- · Up to 66.6MB/sec transfer
- · SPS II (Shock Protection System II)
- · DPS ( Data Protection System)
- · Ultra ATA/66
  - 5400rpm
  - · As low as 9.5ms seek time



## Leading The Way In Tape **Backup System Technology**

## **DLT 8000**

- Internal: \$3879 External:
- \$3999
- · Up to 12MB/sec compressed transfer rate
- SCSI-2 interface.
- · 40GB native capacity
- · 80GB compressed capacity

DLT Tape Media for DLT 8000 1/5-9/10+ \$69/\$67/\$65

Quantum...The Leaders of Performance and Reliability

New Quantum Products are being added daily to our website. We invite you to stop by and shop our prices often at:

www.dirtcheapdrives.com/guantum.

8 - 2000 Computer Shopper

Page 3 of 10







Sales lines open Mon - Fri 8-8, Sat 9-3 CST

# D) 3

Voted by Computer Shopper Readers as the "Best Place to Buy Storage" AND the "Best Place to Buy Upgrade Components/Accessories'





2.2GB Removable Cartridge Drive. Prices include 1 free disk.

Internal SCSI (ORBSCSI) / External SCSI (ORBSCSIX) ORB USB (ORBUSE) Extra Disks (oranisk)



\$209/\$219 \$259

\$37



## **MO ZIP FOR YOUR \$\$\$**

Need high quantity? Call us for the best price in the industry on lomega Zip and Jaz in bulk. We are a major supplier to system builders.

## OPTICAL DRIVES

MAXOPTIX 5.2GB	
2.6GB, 1.3GB, 1GB, 650MB compatible, SCSI-2, 4MB buffer	
Internal (T6-5200) /External (T6-5200X)	\$1399/\$1539
Maxoptix 5.2 Media 1-4/5-9/10+ (MAX5.2)	\$83/\$80/\$77
SONY 5.2GB	
2 6GB 1 3GB 650MB r/w compatible SCSI-2 4MB buffer	

Internal (SMOF551) /External (SMOF551X) Sony 5.2 Media 1-4/5-9/10+ (SMAX5.2)

\$1389/\$1529 \$83/\$80/\$77

## OPTICAL MEDIA - The most stable disk around.

Size	Cat#	Description	2-4	5-9	10+
128MB	TJ128	3.5", 512K	\$13	\$9	\$7
230MB	TJ230	3.5", 512K	\$14	\$10	\$8
230MB	TJ230MAC	Mac formatted	514	\$10	\$8
640MB	TJ640	3.5", 2048K	\$21	\$17	\$15
650MB	TJ650	5.25", 1024K	\$25	\$23	\$21
1.2Gig	TJ1.2	5.25", 512K	\$25	\$23	\$21
1.3Gig	TJ1.3	5.25", 1024K	\$26	\$24	\$22
2.6 Glg	Th2.6	5.25", 1024K	\$33	\$29	\$27
5.2Gig	TJ5.2	5.25", 2048K	\$70	\$68	\$64

Visit our Web Store at www.dirtcheapdrives.com under "Media" for a complete listing.

## 100MB ZIP

Internal IDE for PC (ZIP100A)	575
Internal IDE for PC 5 pack (ZIP100A-5)	5379
Internal IDE for PC 10 pack (ZIP100A-10)	5699
Internal SCSI for PC complete retail package (ZIP1001)	\$95
External SCSI for PC or Mac (ZIP100)	\$109
External for PC parallel port (PPZIP100)	\$109
External for USB port (ZIP100USB)	\$129
100MB disks (ZIP100C) Qty 2-9/Qty 10+	\$12/\$10
250MB ZIP Zip 250 for USB only \$179	
External SCSI for PC or Mac (ZIP250)	\$169
Internal IDE (ZIP250A)	\$169
External for PC parallel port (PPZIP250)	\$169
250MB disks (ZIP250C) QTV 2-9/QTV 10+	\$19/\$17
2 GIG JAZ	
Backwards compatible with Jaz 1 Gig disks.	
10ms read, 12ms write, 5394rpm, 512 buffer.	
Internal SCSI (IAZ21)	\$309
External SCSi (IAZ2X)	\$315
1GB Disks (IAZC1GIGPC) Qty 2-4/5-9/10+	\$80/\$77/\$75
2GB Disks (IAZC2GIGPC) Qty 2-4/5-9/10+	\$85/\$80/\$77
JAZ ACCESSORIES	
ISA Controller (JAZJETISA) / PCI Controller (JAZJETPCI)	\$89/\$95
PCMCIA Type II Adapter (IAZPCMCIA)	\$109
Parallel Adapter Jaz Traveller (IAZPARALLEL)	\$49
Clik PC Card Drive	

40MB Clik card drive for PCs

\$179 limited time offer



We have the FASTEST, biggest, baddest SCSI drives available. Period. Bar none.

If you're looking for the optimum in drive speed and ultimate performance, then these are the drives to buy. If you could use information and assistance from a real live helpful person, here's where you call:

800-475-7476 DIRT CHEAP DRIVES Standing By For Your Order

## **OUANTUM ULTRA 160 SCSI**

9.1GB	8MB	10,000	(TY309200LW)	\$383
18.4GB	8MB	10,000	(TY318400LW)	\$585
36.7GB	8MB	10,000	(TY336700LW)	\$999
73.4GB	8MB	10,000	(TY373400LW)	\$1739

## SEAGATE ULTRA 160 SCSI (Check out the Cache!)

9.2GB	4MB	10,000	(ST39204LW) \$339
18.2GB	4MB	10,000	(ST318404LW) \$495
36.7GB	4MB	10,000	(ST336704LW) \$869
36.7GB	16MB	10,000	(ST336704LWV) \$899
73.4GB	4MB	10,000	(ST173404LW) \$1439
73.4GB	16MB	10,000	(ST173404LWV)\$1459

## IBM ULTRA 160 SCSI

9.1GB	4MB	10,000	(07N3220)	\$333
18.3GB	4MB	10,000	(07N3210)	\$499
36.9GB	4MB	10,000	(07N3200)	\$859
70+GB	Call for c	letails!	Action Contracts	

Dirt Cheap Drives www.dirtcheapdrives.com

8-2000 **Computer Shopper** 

Page 4 of 10



# 

PLEXTOR.

YAMAHA

PACKARD

YAMAHA

SONY

63

CenDune

PLEXTOR.

**FASTTRAKER** 

## The Hottest Lineup In CDR-W, CDR, CD-Rom Drives & Accessories

## IDE CDRW DRIVE

## Packet write and tray load



MicroSolutions

4x4x20 Parallel Port Int. (BACKPAC4X20) \$285



8x4x24 IDE

Int. (YCRW8424E) \$209

YAMAHA



Int. (NWY080AK) \$225 RIGOR

With software, 1 R & 1 RW disk



8x4x32 IDE

Int. (PXW8432R) \$249 PLEXTOR. With software, 1 R & 1 RW disk



8x4X32 IDE

Int. (CRWM432A) \$225 Acer \$

With software, & 1 RW disk



8x4X32 IDE

CREATIVE Int. (\$8CDRW8432) \$235

2MB buffer With software, 1 R & 1 RW disk



8x8x24 IDE

Int. (YCRW8824E) \$219

YAMAHA



10x4x32 IDE

SONY

Int. (CRX145E) \$265 With software, 1 R & 1 RW disk



10x4x32 IDE

Int. (C44II2A) \$275 With software

PACKARD

## PORTABLE CD ROM

- · PCMCIA (PC Card) Type II or III.
- Only 6.72" L x 5.92"W x .88"H
- · Fast 24x, 190ms speed · Audio jack for earphone
- · Wall transformer
- (PICMCIAZ4X)

599





Premiere Signature III Your CD's will look professional quality with this color CD Macintosh systems. (CDPRINTER3) \$1059

## SCSI CDRW DRIVE

#### Packet write and tray load



8x2x20 SCSI

Int. (PXW8220R) \$325 Ext. (PXW82208X) \$385



8x4x24 SCSI

Int. (VCRW84245) \$239 Ext. (VCRVIB4245X) \$289



Int. (C4457A) \$279 Ext. (C4457AX) \$339



8x8x24 SCSI Int. (YCRW88245) \$249 Ext. (YORW83245X) \$299

10x4x32 SCSI Int. (CRX1455) \$319



12x4x32 SCSI

Ext. (CRX1455X) \$379

Int. (CD1CD00028) \$325 Ext. (ED/CD000284) \$385



12x4x32 SCSI

Int. (PMV124328) \$299 Ext. (9xW124128X) \$359

Burn a write-once only CB for ultimate data security and archival storage.



8x20 SCSI

Int. (PARS20T) \$299 PLEXTOR Fxt. OPERROUND \$389 Includes Software & 1 disk



8x24 SCSI

TEAC Int. (CDR8X24TK) \$265 (CDREKZ4TKX) \$355 Includes Software & 1 disk



## Rimage CD DUPLICATORS

Attaches to your PC or Mac SCSI Port, 50 Disc auto loader, lets you load 50 discs & walk away, 4X CD record speed CDs are verified on separate 8X drive. Works with most operating systems.

CD-R drive (CEDAR10802) - above with printer (CEDAR10802P)

\$6659

Niet distribusphises com/dupe for our complete line of CD deplicators.

## Add A Controller - II Needed

ADAPTEC RAID. See Page 8 ISA 16 B4 SCSI (vin hard drive support A1505CDKI AZ906EUT PCI 12 Bit SCSI (No PC or blace 154 EPP Parallel in: SCSI adapter PCWCIA type 2, 3, or 4 to SCSI Cardillas to Ultra SCSI T1350 TELEGRAPHI PCI 32 bit Ulwa SCSI controller TEKRAM 32 Bit PCI SCSI controller - no bios-32 Bit PCI SCSI controller \$36 32 Bit PCI Ultra SCSI controllar 32 Bit PCI Ultra Wide SCSI controllar 32 Bit PCI Ultra-2 SCSI controller DC390U \$75 \$72 DC390F DC390UZ DC390U2W 37 Bit PCI Litta-2 SCSI Dual Channel controller \$143 PROMISE 529 PCI, Supports Little-66 IDE drives. PCI, Supports Little ATA-66 IDE drive. ULTRA66 539

## CDR SOFTWARE

## Add CD Mastering Software — II Not Already Included

Easy-CD Creator 4.0 OEM (EXCECRTRSTD) Now supports Macl \$30\* -Supports Win 95, 98 & NT 4.0. Ask about new version with free DirectCD Must be purchased with CD Recorder. - Retail version (EZCDCRTRRIL) \$90

Supports Macintosh includes Direct CD for Mac Retail version of above (TOASTRTL)

589 GoBack (GOBACK) 559 One of the coolest disaster recovery software programs available.

Check it out! Supports Windows 95/98/NT. Gear Replicator (GEAR-REP) Newest Version! 549

- Supports Win 95, and NT 4.0 ONLY \$39 with drive purchase! Allows you to copy CD ROM, music CD's, etc

Gear Suite (GEAR-SUITE)

- Supports Win 95, 98 and NT 4.0 Includes Gear Audio, Replicator, and Web Grabber

Gear Pro for UNIX (GEAR-UNIX) \$1169 Compatible with most UNIX workstations

Gear Pro for Windows - New & upgrade versions available Prassi CD Mastering & duplication for Win 95/98, NT 4.8 & Win 2000
- Support up to 8 CDRs or CDR-Ws (PRIMOCDS) \$379 \$379 Support up to 16 CDRs or CDR-Ws (PRIMOCD18) \$729

Support up to 64 CDRs or CDR-Ws (PRIMOCD64) \$1399 HYCD Publisher for PC (Windows 3.1, 95, NT) (CDRHYMN) Creates hybrid CDs for PC/Mac/Unix, bootable CDs.

- Includes CD, Copy, Drag and Drop, & music utilities Creative Digital Research CDR HYCD Publisher for Unix workstations

Creates standard, hybrid, & bootable CDs for PC/Mac/Unix (EDRHYUNIX)

## CD DUPLICATOR

- Fast 4x duplication speed, built in CD reader. ICD panel w/controls.
- Built in hard drive allows you to save often used disk images. Duplicate almost any type of disk. If the CD-ROM can read it, you can duplicate it.
- Operating system independent Connect to PC or Mac to produce master CD's
- Direct write from CD-ROM to CD-R Copy source CD to HDD once, th Create custom audio CD titles



pry source CD to HDD once, then (CDEZDUPE) \$929
make 1-99 duplicates on the CD-R. For complete details visit:
reate custom audio CD titles www.dirtcheapdrives.com/endupe

WE WON'T BE UNDERSOLD ON CD MEDIA. Check out our unbeatable deals on CD Media on the adjacent page and see for yourself why we've got the lowest pricing on CD media anywhere. At Dirt Cheap Drives, "WE WON'T BE UNDERSOLD ON CD MEDIA". PERIOD! Call our friendly representatives or visit our website at www.dirtcheapdrives.com/media



8-2000 **Computer Shopper** 

> Page 5 of 10









Sales lines open Mon - Fri 8-8, Sat 9-3 CST

Voted by Computer Shopper Readers as the "Best Place to Buy Storage" AND the "Best Place to Buy Upgrade Components/Accessories'



## CD MEDIA

## CD RECORDABLE MEDIA

CDA	74:	
	-74 in jewel case Hot New I	
12x	Budget 5 pack (CDR74B-5)	\$6
12x	Budget 20 pack (CDR748-20)	\$22
12x	Budget 50 pack (CDR74B-50)	\$50
12x	Budget 100 pack (CDR748-100)	\$89
12x	5 pack (CDR74-5)	\$8
12x	20 pack (CDR74-20)	\$27
12x	50 pack (CDR74-50)	\$66
12x	100 pack (CDR74-100)	\$125
12x	Platinum 5 pack (CDR74PA-5)	89
12x	Platinum 20 pack (CDR74PA-20)	\$29
12x	Platinum 50 pack (CDR74PA-50)	\$69
12x	Platinum 100 pack (CDR74PA-100)	\$129
	table CDR-74 in jewel case	
12x	Budget 5 pack (CDR74PB-5)	\$7
12x	Budget 20 pack (CDR74PB-20)	\$22
12x	Budget 50 pack (CDR74PB-50)	\$54
12x	Budget 100 pack (CDR74PB-100)	\$95
12x	5 pack (CDR74P-5)	\$10
12x	20 pack (CDR74P-20)	\$37
12x	50 pack (CDR74P-50)	\$89
12x	100 pack (CDR74P-100)	\$179
CDR	-80 80 minute media in jewel case	
12x	Budget 5 pack (CDR80-5)	\$
12x	Budget 10 pack (CDR80-10)	\$15
12x	Budget 50 pack (CDR80-50)	\$49
12x	Budget 100 pack (CDR80-100)	899
Bulk!	Spindle 74 minute media. Includes 50 CD-Rs (12x),	
	No jewel cases included (CDR74S8-50)	\$59
Bulk!	Spindle 74 minute media. Includes 100 CD-Rs (12x),	
	No jewel cases included (CDR74SB-100)	\$115
Bulk!		
	No jewel cases included (CDR8058-100)	\$99
Bulk!		
	No jewel cases included (CDR8058-500)	\$450

## CD REWRITABLE MEDIA

#### CDR-74W in lewel case

4x	Budget 5 pack (CDR74WB-5)	\$9
4x	Budget 20 pack (CDR74WB-20)	\$35
4x	Budget 50 pack (CDR74WB-50)	\$79
4x	Budget 100 pack (CDR74WB-100)	\$159
4x	5 pack (CDR74W-5)	\$22
4x	20 pack (CDR74W-20)	\$69
4x	50 pack (CDR74W-50)	\$179
4x	100 pack (CDR74W-100)	WOW !!! \$299

Dealer Inquiries invited. Nobody beats Dirt Cheap Drives for CD Media. We are the #1 source in the US! Check out our full product line of media at www.dirtcheapdrives.com/media

## SOUND ACCESSOR

Get the most sound out of your CDs! We have a massive inventory of quality computer headsets, microphones and speakers with prices starting at just \$7! Here's a sampling:



PC Stereo Headphone

Designed to be lightweight and comfortable for extended use.

**Professional Series Earphone** 

LT825

Designed for home stereo use, maximum in audio performance, and superior

**Professional Series Earphone** 

Designed for home stereo use, the LTB30 delivers the maximum in audio performance, while offering superior comfort and listening convenience. 521

\$18

**Professional Series Earphone** 

Designed for portable audio and home stereo use, the LT820 delivers the maximum in sound performance while offering superior comfort and listening versatility. \$13

Stereo Headset/Boom Microphone

New comfort & fit design provides optimal voice clarity for voice command; internet communications, multi-player gaming and other multimedia applications. 520

Headset/Boom Microphone for PC Speech Recognition Applications Designed to provide accurate audio input for speech recognition, voice command,

internet communications and all other PC multimedia applications. Comfortable tool LVA8450 539

FlexNeck™ Microphone Get optimal clarity for voice command, internet telephony, and other multimedia applications. AM-252

Active Series Ultra Portable Earphone Designed specifically for active lifestyles, the LT615 headphone is lightweight, ultra portable, comfortable and delivers crisp, clear sound.

57

**High Output Hand Microphone** Provides optimal voice clarity for voice command, internet telephony, educational software and other multimedia applications.

FlexiMount' PC Microphone Optimal clarity for voice command, internet telephony, educational software, and other multimedia applications. Features wide base stand.

512

Computer Speakers for High Quality Music and Sound Output Two piece multimedia design reproduces full range of sound to satisfy a wide

variety of musical tastes. Brings recording studio quality sound to your desktop. \$55

Computer Speakers - Award woming audio technology Includes digital audio streaming resulting in crystal-clear sound, free of the noise

and distortion often generated inside a PC. LC51040 \$75

Computer Speakers World's best selling compact multimedia speaker.

LCS150

515

**Computer Speakers** Make the most of your limited desk space with this compact, ergonomic design, while enhancing your listening experience.

LCS1010 518

Space-Saver™ Computer Speakers with Dynamic Bass Equalization Make the most of limited desk space while enjoying great sound that makes the most of your CD-ROMS, music and games.

We carry the complete line of Labtec Speakers. Headsets and Microphones at competitive prices. Visit our website at: WWW.dirtcheapdrives.com/labtec

Dirt Cheap Drives www.dirtcheapdrives.com

8 - 2000 **Computer Shopper** 

Page 6 of 10



# 91

\$409

\$589

## NEW DVD DRIVES & ACCESSORIES!

We're your DVD Headquarters and we've got the DVD drive you've been looking for!

## **DVD Drives and Complete Kits**

## (I) PIONEER

- · 16X DVD reader, 95ms
- 40X CD ROM, 80ms
- . Bare IDE Drive tray load (Also avail as slot load) (DVD115) \$165
- · 16X DVD reader, 95ms · 40X CD ROM, 80ms Bare IDE Drive slot load royo ross
- + 4.8X DVD reader, 120ms + 32X CD ROM, 90ms Bare SCSI Drive slot load (DVD303) \$129
- . DVD Recorder, DVD-R write 1x, DVD-R read 2x, 4MB buffer, Inc. write, DVD software + 3 DVD disks (DVRS201) \$3999

### Dirt Cheap Drive Kit

- · 16X kit complete with MPEG-2 decoder
- 16X DVD reader, 95ms 40X CD ROM, 80ms
- IDE interface Supports CDR and CD-RW media

#### Complete Kit (DVD) MIT \$229

#### Creative DVD Kit

- · Encore DVD 8X kit includes: 125ms 8X DVD drive
- Reads CDs at 40X, 90ms
- · MPEG-2 decoder
- · DVD Titles (CLDVDHUT)



#### TOSHIBA

 12X DVD reader, 90ms + 40X CD ROM, 80ms Bare IDE Drive (SDM1402)



## **DVD-RAM Drives Stores 5.2GB!**

#### Creative DVD RAM Kit (CLDVDRAM) only \$279

- · Reads DVD-ROM, DVD-R, DVD-Video, Video CD, CD-ROM, CED-Audio, CD-R, and CD-RW disks.
- Bare SCSI drive (SDW1111) Panasonic Kit with Software and 2,6GB media
- + DVD-RAM 1x, 120ms + DVD-ROM 2x, 85ms + CD-ROM 20x, 85ms + 2MB buffer
- \* Reads DVD-ROM, DVD-R, CD-RW, and PD disks.
- SCSI drive kit (LFD 103U) DVD RAM MEDIA

5.2 media (ovortampisk) 1-4/5-9/10+ \$37/\$35/\$33 DVD utility software for PC (DVDSFTPC-NT) for Mac (DVDSFTNAC)

## We really appreciate your business!

## **DVD** Accessories

#### SIGMA DESIGNS HOLLYWOOD

Best Selling PCI Based MPEG-2 decoder board (HOLLYWOOD) \$69

#### WAVELINK PC TO TV TRANSMITTER

View DVD movie titles on TV without the use of wires, 2.4GHz signal penetrates walls, floors, and cellings. Operates up to 300 feet away. Sends and receives crop color and stereo audio. Also works with many other video/audio sources.

(PCTOTV) \$119 or \$109 with any DVD drive

We always have the latest DVD drives at Dirt Cheap Drives. Check us out on the web at dirtcheapdrives.com for the best deals in the industry.

## SCSI CD ROM DRIVE

Speed	Brand	Model	ms	Buffer	Int	Ext
32X	TEAC	CD5325	85	128K	\$75	\$165
32X	PLEXTOR	PX32CS (CADDY)	85	512K	\$140	\$230
40X	NEC	CDR3010	85	256K	\$72	\$162
40X	TOSHIBA	XM6401B	85	256K	\$82	\$172
40X	PLEXTOR	PX40TS (TRAY)	85	512K	\$93	\$183
52X	KENWOOD	UCR415	90	2MB	\$149	\$239
72X	KENWOOD	Call for details	on th	is hot ne	w drive	i,

#### WIDE SCSI CD ROM

40X	Plextor	PX40TSUW	85	512K	\$99	\$189
Pione	er 24x 6 Dis	k external CD cha	nger (DR	MI.324X)		\$395
ACCE.	SSORIES					

Universal sound cable (AUDIOMO) \$5 - CD Diver software, for Mac (RAPIDPD) \$8 CD Caddies (CDCADDY) 5-19 \$5 20+ \$4

## IDE CD ROM DRIVE

Speed	Brand	Model	ms	Buffer	Drive
40X	Teac	CD540E	85	128K	\$49
40X	NEC	CDR3000	75	128K	\$49
48X	Toshiba	XM6702B	85	256K	\$53
48X	Mitsumi	CRMCFX48X	65	256K	\$47
50X	Acer	CD650P	85	128k	547
52X	Creative	SBCD52	100	256k	547
52X	Kenwood	UCR412	90	2MB	\$82
72X	Kenwood	UCR421	100	2MB	\$112
Call for	IDE CD ROM	towers - up to 8	CDRON	ts in one to	werl

Also available in rack mount - perfect for libraries.

#### **CD ROM Accessories**

Buy a CD drive & sound card & get a FREE audio cable.	
Sound Blaster Live MP3+ (SBLIVEMP3+)	395
Sound Blaster Live X-Gamer (S8x-GAMER)	\$92
Sound Blaster 512 (SBPCIS12)	\$67
Platinum (SBPLATINUM)	\$182
IDE CD ROM case with card and cable (HOTPORT)	\$129
IDE CD ROM case for parallel printer port (PPCASECD)	\$59
IDE CD ROM case for PCMCIA port (PCMCIACD)	\$115

## IDE CDR & DVD-ROM in ONE!

#### Toshiba

+ 4X, 4X Rewrite CD-RW, 4X DVD Read, 24X CD Read Complete Drive Kit (SDR1002)

#### Ricoh

+ 6X, 4X Rewrite CD-RW, 4X DVD Read, 24X CD Read Complete Drive Kit (MP9060A) 5279

## FISC-CD (Ethernet IDE CD Controller)

Connect up to 8 IDE CD RDMS (in increment of 21 directly to your Ethernet network without a puse: Auto switches between Ethernes and Ethernel cornection: Features BMB RAM et user apgradable to 72MB through SIMM

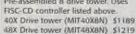


sockets. FSC CD offers the most complete proto col support in the industry. Windows NT, Netware, Unia, Web server, and Macentart. This controller is interesed reading with brail-in WWW server function Mourns in a 5.25-11H drive bay, (insc. co.) \$665

We have a full line of cables and accessories. Call and let us help you find the part you're looking for!

### One of the Best Buys in the Industry. 8 Drive Auto Switching

**Network CD Tower** Pre-assembled 8 drive tower. Uses





## TOWERS & NETWORK

We offer the best deals in the industry on multidrive CD ROM drive towers for SCSI or Ethernet connections. From 2 drives to 13 drives and beyond, call us

with your needs. We'll be glad to meet your specifications. Here's just a small sampling.





## **SCSI Towers**

			4 Drives	7 Drives
Toshiba	40X	79ms	\$399 #TOS6401X4B	\$699 #TO56401X7B
Plextor	40X	85ms	\$439 #PLEX40X48	\$779 #PLEX40X7B
Plextor Plextor 40% Now	40X available is	85ms ultro Wide Sc	\$519 SI/#PLEX40WX48	\$899 #PLEX40WX7B
NEC	40X	85ms	\$369 #NEC3010X4B	\$649 #NEC3010X7B
Kenwood	52X	85ms	\$729 #KEN415X4B	\$1279 #KEN415X7B

Ethernet CD ROM Towers - Can be used simultaneously from Win 95, NT. DS/2. & UNIX platforms using Novell Network. Nicrosoft Networks & NFS.

	7 Drive	7 Drive	13 Drive	13 Drive
	10baseT	10/100	10baseT	10/100
Toshiba 40X	\$1195	\$1309	\$2059	\$2359
	43050401XW	#1056401X7NT	#1056401X131	#T056401X13E
Plextor 40X	\$1305	\$1419	\$2259	\$2565
	#PLEX40X7N	#PLEX40X7NT	#P(EX40X13T	#PLEXAGRISE
NEC 40X	\$1125	\$1239	\$1925	\$2225
	#NECSGLOK7N	#NECSOLGRENT	NECSCHOXIST	INECSCIONISE
Kenwood 52X	\$1739	\$1845	\$3049	\$3355
	#KEN415X7W	#KEN415X7MT	#KEN415X15T	#KENHISHISH

## Axis StorePoint CD

CD Controller

Connect your SCSI CD ROM drives directly to your Ethernet or Token Ring network without a computer. Stand alone has its own external enclosure. Tower module mounts in a tower case a occupies 15.25" HH drive bay.

Enclosure	Network /	Max # Drives	Item#	Price
Stand-alone	Ethernet	7	AXISCD-E	\$465
Stand-alone	TokenRing	7	AXISCD-TR	3545
Toyver Module	Token Ring	7	AXISCD/T-TR	\$555
Tower Module	Ethernet	7	AXISCDE100	\$585
Tower Module	Ethernet	14	AXISCDE100D	\$655
Tower Module	Ethernet or Fast ether	not 7	AXISCD/DVD	\$765
Tower Module	Ethernet or Fast ether	net 14	AXISCD/DVDD	\$955

B-2000 **Computer Shopper** 

Page 7 of 10





1-800-4*7/5-7/47* Sales lines open Mon - Fri 8-8, Sat 9-3 CST

**Voted by Computer Shopper** Readers as the "Best Place to Buy Storage" AND the "Best Place to Buy Upgrade Components/Accessories'



## USB DRIVES & USB STUFF



#### 4x4x32 CD Rewritable for PC or Mac

Master Cds with this complete kit. Includes mastering software and drive in high quality external USB case.

#USB4X4X32



## 100MB Zip Drive

Iomega USB 100MB Zip drive. Easy to install, simply connect to the USB port on your system and install the included software. #ZIP100USB 5129



## 250MB Zip

lomega USB 250MB Zip drive. Easy to install, simply connect to the USB port on your system and install the included software. #Z1P250U5B \$179



#### 2.2GB Orb

Revolutionary removable media storage by Castlewood Systems holds 2.2GB of uncompressed storage capacity. Includes a 2.2GB cartridge. \$259



## **USB** to SCSI Adapter

USB to SCSI adapter by Adaptec. Allows you to attach any SCSI device to the USB port. Supports up to 7 SCSI devices. 569

#USBSCSI

#USBL5120



## SuperDisk Drive 120MB & Floppy

Imation LS-120 USB drive for iMac & Blue G3 systems. Reads Mac & PC formats. Uses 1.4MB and 120MB disks.



## 1394 USB/PCI BOARD

2 1394 ports & 2 USB external ports for plug and play peripherals. #70HTL00060



### Floppy Drive

Teac USB floppy for iMac. Reads & writes Mac and PC formats. Features iMac blue case.

WUSBFLOPPY





## 10GB Hard Drive

10GB USB external hard drive with built-in fan and USB cable. Cool looking translucent white plastic casing.

#USBTOGB



#### 15GB Hard Drive

15GB USB external hard drive with built-in fan and USB cable. Cool looking translucent white plastic casing.



## 20GB Hard Drive

20GB USB external hard drive with built-in fan and USB cable. Cool looking translucent white plastic casing,

WUSB20GB

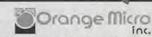


### **30GB Hard Drive**

30GB USB external hard drive with built-in fan and USB cable. Cool looking translucent white plastic casing.

## *1394/FIREWIRE*

## Hot 1394 products by



The new 1394 interface is a high performance technology that can support up to 63 devices with current data transfer speeds up to 400Mbits per second. This hot new technology is also known as Firewire and LLink.

### 1394 PCMCIA CARDBUS

Hot plug connect multimedia peripherals to your computer without restarting. Dual connectors support 1394 peripherals such as disk drives, scanners, printers and digital cameras.

1394 CardBus PC Card

(70HTL00040)



### 1394 USB/PCI BOARD

2 1394 & 2 USB external ports for plug and play peripherals.

USB/PCI Board

(70HTL00060)



## 1394 PCI BOARD KIT

Edit video from your Mac or PC!

Mac/PC PCI Board Kit:

(70HTL13941)



#### 1394 HuB

Disconnect 1394 peripherals without disturbing other peripherals in a traditional daisy chain Provides 5 additional 1394 ports from a single power supply.

1394 Hub

(70HTL00030)



#### 1394 REPEATER AND CABLES

Connect one repeater to another using 15 foot cables. Reach up to 236 feet total length from the original 1394 host system.

1394 Repeater (70HTL00020) 15 Pt. Cable: 6pin to 4pin (70CAB13943) \$2B 15 Pt. Cable: 6pin to 6pin (70CAB13942) \$30



CALL TODAY for current pricing & information or visit our secure website 24 hours a day at: www.dirtcheapdrives.com/1394

## 1394 UMAX PowerLook 1100 Scanner with DuoDesign Software Bundle



\$979

Designed for use on Macintosh or Windows PC systems equipped with a FireWire/IEEE-1394 port. The PowerLook 1100 features a high 3.4Dmax for fine details, 4MB I/O buffer, 1200 x 2400 dpi with a 10,600 element tri-linear CCD, and an effective 42-bit output.

DIRT CHEAP DRIVES www.dirtcheapdrives.com

8 - 2000 Computer Shopper

> Page 8 of 10



# DIRT GIF

## DRIVE CASES

Models available with redundant hot swap power supplies.



A STATE OF THE STA	
3.5" Drive Case - w/ closed, 1", and 1.6" open fac	ce plates.
Ultra (3.5CASEC)	\$69
Ultra Wide SCSI (3.5CASECW)	\$89
Ultra 160 SCSI (comp w/ U-2) (3.5cASE160)	\$109
Parallel/IDE closed & 1" open face (PPCASEHD)	\$79
PCMCIA/IDE closed & 1" open face (PCMCIA3.5)	\$119
5.25" Drive Case with closed, 1", 1.6", and CD fac	e plates.
Ultra (HHCASET)	159
Ultra Wide SCSI (HHCASETW)	\$89
Ultra 160 SCSI (comp w/ U-2) (HHCASET160)	\$99
Parallel/IDE closed & open face (PPCASECD)	\$89
PCMCIA/IDE open&closed face (PCMCIACD)	\$129
Two Drive Case - Holds 2 half height or 1 full height	drive.
Ultra (FHCASE)	\$89
Ultra Wide SCSI (FHCASEW)	\$129
Ultra 160 SCSI (comp w/ U-2) (FHCASE160)	\$139
Dual 3.5" drive model	
Ultra (DuAL3.SCASE)	\$89
Ultra Wide SCSI (DUAL3.5CW)	\$109
Ultra 160 SCSI (comp w/ U-2) (DUAL3.5C160)	\$129
Four Drive Case - Holds 4 half height or 2 full height	
Ultra (DUALCASET)	\$109
Ultra Wide SCSI (DUALCASETW)	\$129
Ultra 160 SCSI (comp w/ U-2)(DUALCASE160)	\$139
Eight Drive Case - Holds 8 half height or 4 full height	
Ultra (TOWERCASET)	1189
Ultra Wide SCSI (TOWERCASETW)	\$209
Ultra 160 SCSI (comp w/ U-2) (TOWERCSE 160)	\$229
Fourteen Drive Case - Holds 14 half height or 6 full t	
Ultra (14BAYCASE)	\$419
Ultra Wide SCSI (148AVCASEFW)	\$439
Ultra 160 SCSI (comp W/ U-2) (148AYCSE160)	\$449
Eighteen Drive Case - Holds 18 half height or 8 full f	
Ultra (18BAYCASE)	\$599
Ultra Wide SCSI (IZBAYCASEFW)	\$619
Ultra 160 SCSI (comp W/ U-2)(IBBAYCSE)60)	\$639
Twenty Drive Case - Holds 20 half height or 10 full h	
Ultra (2084/CASE) Ultra Wide SCSI (2084/CASE/W)	\$679
	\$699
Ultra 160 SCSI (comp w/ U-2) (2084YCSE160)	\$719
For complete listing of our current cases and enclo	sures, visit:



## **Hot Port External** IDE Case

The perfect way to turn any IDE drive into an external. Great for Hard drives, CD ROM, CD-R, CD-

RW, tape, optical, DVD, or any other IDE drive. Includes IDE controller card, cable, and case. Power goes through the data cable so no awkward power cables. Perfect for sharing drives among multiple computers. TWICE as last, as an external parallel port case and cheaper than SCSL (HETPORT) \$129 Extra HotPort controlle

www.dirtcheapdrives.com/cases

## MAKE YOUR DRIVE REMOVEABLE & SECURE

## With DataPort, You CAN Take It With You!

Have you been wondering if your data is secure while you're away from your desk? The solution is simple. Take your hard drive with you when you go. No more security worries. No more files left behind. Just put your drive in a padded carrying case whenever you're away from your PC. With DataPort", you can take it with you when you go.



## Keep your data secure by turning any 31/2" drive into a removable. DataPort™ Kit includes:

1. Frame - Installs into your 31/2" drive bay AND

2. Cartridge - Holds your internal drive allowing it to slip in and out of the bay on the installed frame.

### DATAPORT IV

SCSI ID switch, and gold plated connectors. Plastic construction with metal top and bottom covers on cartridge. COMPLETE KIT

Includes 1 frame, and 1 cartridge	
IDE with plastic cartridge (TRANSIDE)	\$59
SCSI with plastic cartridge (TRANSSCSI)	\$59
EXTRA CARTRIDGE	
Plastic IDE (TRANSIDECA)	\$35
Plastic SCSI (TRANSSCSICA)	\$35
EXTRA FRAME	
IDE (TRANSIDEFR)	\$29
SCSI (TRANSSCSIFR)	\$29

### DATAPORT V

High quality construction. Gold plated connections. Features built in cooling fan, SCSI ID switch. Metal frame construction. Plastic cartridge with metal top and bottom covers.

COMPLETE KIT	PLATINUM	BLACK
Includes 1 frame, and 1 cartridge		
IDE 66 w/plastic cartridge (DP2200A66)	\$85	n/a
IDE 66 w/ metal cartridge (DP2200AM6	6) \$95	\$109
Ultra Wide SCSI (DP2200UW)	\$139	\$159
EXTRA CARTRIDGE		
Plastic IDE 66 (DPACARTIGE)	\$42	n/a
Metal IDE 66 (DPACARTM66)	\$62	\$79
Ultra Wide SCSI (DPLIWCART)	\$69	\$88
EXTRA FRAME	2.14	-
IDE 66 (DPAFRAME66)	\$52	
Ultra Wide SCSI (DPUWFRAME)	\$79	

#### DATAPORT VI

High quality construction. Gold plated connections. Features built in cooling fan with audible fan failure alarm, SCSI ID switch. Metal frame and metal cartridge construction.

COMPLETE KIT	PLATINUM	BLACK
Includes 1 frame, and 1 cartridge		
Ultra SCSI (DP22005M)	\$89	\$129
Ultra Wide SCSI (DP2200UWM)	\$149	\$169
SCA (uses SCA drives) (DP2200SCA)	\$139	\$159
EXTRA CARTRIDGE		
Ultra SCSI (DPSCARTM)	\$59	579
Ultra Wide SCSI (DPUNCARTM)	\$89	\$109
SCA (uses SCA drives) (DPSCACART)	\$89	\$109
EXTRA FRAME		
Ultra SCSI (DPSFRAMEL)	\$59	
Ultra Wide SCSI (DPUWFRAMEA)	\$69	
SCA (DPSCAFRAME)	\$79	
ACCESSORIES for DataPort	V and VI	
Cover plate to cover opening whence	cartridge is remo	med
says has to seen should tallely	en in ope in tente	and a

#### (OPPPLATE) \$8 \$10

#### DATAPORT VII

High quality DataPort series made for 10,000rpm drives with dual cooling fans.

COMPLETE KIT Includes 1 frame, and 1 cartridge

IDE (metal cartridge) (DP2200A7) \$129 Ultra SCSI (DP220057) 5139 Ultra Wide SC\$1 (DP2200W7) \$149 EXTRA FRAME IDE/Ultra SCSI/Ultra Wide SCSI \$69/\$79/\$89 EXTRA CARTRIDGE IDE/Ultra SCSI/Ultra Wide SCSI \$79/\$89/\$89

#### DATAPORT VIII

High quality construction. Gold plated connections. Features 2 built in cooling fans (one front, one rear), SCSI ID switch. Metal frame and metal cartridge construction. LCD display shows time, drive

temperature, SCSI ID, and voltage. COMPLETE KIT PLATINUM BLACK Includes 1 frame, and 1 cartridge Ultra Wide SCSI (DP2200W8) \$169 EXTRA CARTRIDGE Ultra Wide SCSI (DP8CART) \$79 \$89 EXTRA FRAME Ultra Wide SCSI (DPBFRAME) \$89



## DATAPORT™ PADDED CARRYING CASE

Fits all removable cartridges. Great for safe transportation and storage once the cartridge is removed. Soft internal padding for shock protection. Professional Aluminum Carrying Case (DPCASEM) Just \$35

Shop www.dirtcheapdrives.com/dataport for our full product line

8-2000 Computer Shopper

> Page 9 of 10



Sales lines open Mon - Fri 8-8, Sat 9-3 CST

Voted by Computer Shopper Readers as the "Best Place to Buy Storage" AND the "Best Place to Buy Upgrade Components/Accessories"



## CONTROLLERS

Gada	ptec	/KIT
A1505CDKIT	ISA 16 Bit SCSI (no hard drive support)	\$49
A2906EKIT	PCI 32 Bit SCSI (For PC or Mac)	554
T1350	EPP Parallel to SCSI adapter	\$69
T146GA2KIT	PCMCIA type 2, 3, or 4 to 5CSI	\$125
T14BGA	CardBus to Ultra SCSI	\$169
AAA131U2	PCI RAID controller for Ultra-2	\$435
AAA133UZ	PCI Ultra-2 RAID 3 channel controller	\$695
ARO1130U2	RAIDPORT II Litra-2 RAID controller	\$269
A2940UKIT	PCI 32 bit Ultra SCSI controller	\$229
NEW Ultra		3442
	Ultra 160 SCSI bare card	\$159
A19160B	Ultra 160 SCSI controller w/SpeedFlex software	
A19160	Ultra 160 SCSI 64 bit PCI 2 channel	\$349
A39160		2000
A29160B	Ultra 160 SCSI 64 bit bare card	5219
A29160	Ultra 160 SCSI 64 bit single channel	\$299
A29160N	Ultra 160 SCSI 32 bit PCI controller	\$289
APD29160MAC	Ultra 160 SCSI controller for Macintosh	\$295
APD39160MAC	Libra 160 SCSI controller for Macintosh FAST!	\$395
AAAUDMAKIT	PCI 4 channel UDMA/66 RAID	\$399
A29160LPB	Ultra 160 SCSI 64 bit MD2 low profile	5225
A29160LP	Ultra 160 SCSI 64 bit MD2 low profile kit	\$315
GOBACK	Disaster Recovery Software	\$59

## MOPT

PM2654U2R16 Ultra-2 w/RAID 0,1,5,0+1,0+5,816MB	\$699
PM2654U2R26 twin channel of above	\$825
PM2654U2R36 three channel of above	\$945
PM3755U2BB1 64 bit PCI, 1 channel U2 SCSI RAID	\$1419
PM3755U2BB2 64 bit PCI, 2 channel U2 SCSI RAID	\$1559
PM3755U2BB3 64 bit PCI, 3 channel U2 SCSI RAID	\$1669
PM3755F-16M Smart RAID 64bit Fibre channel	\$1399
SM4050/16 16MB ECC EDO Memory - upgrade module	\$99
SM4050/64 64MB ECC EDO Memory - upgrade module	\$299
SX4055U21 32 bit expansion - Adds 1 Ultra-2 SCSI channel	5259
SX4055U22 64 bit expansion - Adds 2 Ultra-2 SCSI channels	\$369
PM1564U3 32 bit single channel Ultra 160	\$469
PM1564U3-2U 32 bit 2 channel Ultra 160	\$589
PM2865U3-32 64 bit single channel Ultra 160	\$829
PM2865U3-2U 64 bit 2 channel Ultra 160	\$939
RA4060 RAID accelerator module for PM1564 cards	\$359
DM4060-16 16MB ECC EDO Memory - upgrade module	\$109
DM4060-64 64MB ECC EDO Memory - upgrade module	\$289
DM4070-32 32MB ECC EDO Memory - upgrade module for PM2865 cards	\$209
DMA070-64 64MB ECC EDO Memory - upgrade module for PM2865 cards	\$349



Hardware RAID 1 (mirroring) works with most operating systems

- Jumperless design, 100% data redundancy, 4 drive support.
- · Works off of existing IDE controller

ISA (ARDUPLIDISK) \$189

## We appreciate your business!

Tekr	m	We are routly impressed with these co. High quality at a very hot price check to	otrollers em outl
DC315U	32 Bit	PCI SCSI controller - no bios	523
DC390	32 Bit	PCI SCSI controller	\$35
DC390U	32 Bit	PCI Ultra SCSI controller	\$75
DC390F	32 Bit	PCI Ultra Wide SCSI controller	\$72
DC390U2	32 Bit	PCI Ultra-2 SCSI controller	5117
DC390U2W	32 Bit	PCI Ultra-2 SCSI Dual Channel controller	5143

## PROMISE

TECHNOLOG'	r, INC.	
ULTRA33	PCI, Supports Litra IDE drives	529
ULTRA66	PCI, Supports Ultra-66 IDE drives	539
EIDEPRO	ISA, Supports 4 IDE, & High speed 10	\$49
FASTRAK.	PCI, IDE RAID controller	\$65
EASTTRAKEE	PCI Supports Ultra ATA-66 IDE drives	\$95

## WE KNOW RAID

Dirt Cheap Drives can custom configure a RAID tower to meet your needs. Here are a few popular components. We stock many other RAID components. Check us out on the web or give us a call.

## IDE RAID CASE

Incredible quality. Extremely well built. Just add up to 6 IDE drives of any capacity, and an Ultra Wide SCSI controller to your computer and you are ready for high performance, fault tolerant RAID. Features hot swap drive shuttles, 4 cooling fans, and redundant hot swap power supplies. Run as RAID 0 or 5. Supports

all major operating systems. CALL FOR THE DEAL! Tower Model (IDERAIDCASE) \$1999 Rack Mount Model (IDERAIDRACK) \$1999



## RAID SUITABLE ENCLOSURES

These hard drive enclosures are perfect for RAID or multiple drive applications. They feature hot swapable drive shuttles, and large cooling fans. These cases use a special backplane technology that allows you to use Wide SCSI, Ultra Wide SCSI, or Ultra-2 LVD hard drives without the normal cable length problems. Add drives and a DPT or

Adaptec RAID controller for your complete high end RAID solution.



in 80-pin 2-\$609 4-\$769





4 Drive Desktop Model (DUALCASEUSW) \$729



7 Drive Desktop Model PLASTIC BLACK (QUADCASEUSW) U,UW, W \$1399 \$1419 (QUADICASEUT) SCA \$1499 \$1519

8 Drive Desktop Model (QUADICASEBUR) LLUNCW \$1499 \$1519 (QUADICASEU2) SCA \$1599 \$1619



7 Drive Desktop Model PLASTIC BLACK (RACKCASEUSW) UUW, W \$1429 \$1449 (RACKCASEUT) SCA \$1529 \$1549

8 Drive Desktop Model

(RACKCASEBUR) LLUNK W \$1529 \$1549 (RACKCASEU2) SCA \$1629 \$1649

# IDE RAID has never been this easy. Simply

## IDE RAID 1

install the bay mount RAID controller unit in a 3.5" drive bay, connect two same size IDE hard drives and boot-up. The unit does the rest for you. Totally transparent and requires no special command. Provides RAID 1 mirroring and features an audible alarm to alert you of drive failure. This is a great product. (ARDLERAD) me unit in 5.25" bay ready mount



We use fed Ex to deliver your exact order fast and speedy!

# Axis Storpoint THE

**ONLY SYSTEM THAT** CD/DVD E100 SUPPORTS MACINTOSHI

E100 features the fastest way to share CDs or DVDs across a network. Works with most operating systems, including Netware, Windows 95, 98, NT, Macintosh, Unix or Os2. Hard Disk caching provides blistering fast access to stacks of CDs or DVDs. (AXISCD/DVD)

#### Shock Mount Bracket

- · Mounts in 5 1/4" HH bay
- · Provides shock protection via rubber isolators for 3 1/22" drives. (SBRACKET) \$35



#### Hot swappable drive setup for SCA drives

- Quality metal construction & front cooling fan! Mount three 1" high SCA drives in a single 5 1/4" full height drive bay. (SCA3DR-IVD) \$229 or \$309 for ext.

## USB & FIREWIRE EXT HARD DRIVES FOR MAC

Easily attaches to your Mac's USB or Firewire Port. 6GB, compact & portable in 5 colors (12399-0001) \$299

#### NEW! POWERCAM MINI DIGITAL CAMERA



Attach to PC or Mac USB Port to download up to 40 snapshots to (12408-0001) \$299 your computer.



## QUALITY TECH SUPPORT

Our technical staff is factory trained and can assist you with even the most complex problems. PC Magazine said our technical staff "was notable for

their informed and effective responses."

## DIRT CHEAP DRIVES

Nobody has better deals on drive products than Dirt Cheap Drives. You'll find our deals to be the most competitive on the market today and everyday!



## **SALES HOURS**

M-F 8am - 8pm, 5at 9am-3pm CST Product information & secure ordering available at www.dirtcheapdrives.com

## **NEVER A SURCHARGE!**

We are a major supplier to Government, Educational, Fortune 1000, and Institutions. PO's and Bids accepted.



VISA

#### DIRT CHEAP DRIVES

3716 Timber Drive, Dickmon, Tesss 77539
Fax: (281) 834-8452 \* Order Inquiry (800) 473-0876
Local (281) 834-4140 \* Tech Support (281) 534-8292
USA sales only. NO International orders.



Dirt Cheap Drives www.dirtcheapdrives.com

8-2000 Computer Shopper

Page 10 of 10

# Advertisers

Bold type indicates computershopper.com advertiser. For more detailed infomation about our advertisers, go to cgi.zdnet.com/slink?8145.

AD INDEX

K

A Matter of Fax Inc	282
Aberdeen	.318, 319
ABS Computer Technologies.	18, 19
Acer America	122
Adamant Computers	.268, 269
Adtech Systems, Inc	246
Altima Solutions	
AMD	90, 91
American Microsystems	243
American Power Conversion	130A,
130B, 131	
American STI, dba: Syscon	163
ATI	33
Atlas Micro	26, 27, 99
Avantgarde	
Axis Systems70	0, 71, 102
Bear Rock Technology	245
BigClearance.com	228
BuyMore Product, Incorporati	on2
Case Depot	265
CDW Computer Centers, Inc	21 - 25
Comp Direct	235
Compaq Computer Corporatio	n35,
85, 184 - 187	
Compaq Factory Outlet	285
Comp-U-Plus	281
Computers4SHRF.com	222

liyama	48
Intellesales.com	215 - 217
Interpro	264
Jinco Computer	260
Kahlon, Inc	286
Kingston Technology	83
KINYO Co. Inc.	120
Logicube, Inc.	245
Marine Park Computers	254, 255
McGlen.com	146
Megahaus	
Memory 4 Less	
Memory Man	
Micro Pro	
Micron Computer	
Midwest Micro Peripher	
Motherboard Express	270
Motherboard HomeWorld.	213
Nurol Corporation	
Nutrend	101
Nvidia	
P.O.S. International	244
PC America	54
PC Mall	
PC Progress	
PC Zone	
People PC	

posdirect.net	245
ProjectorPeople	246
Prostar Computer	.28, 128, 129
Quantex107 - 112	
Safeware, The Insurance Ag	gency, Inc43
Sager	36 - 41, 75
Shop Acer	218, 219
SmartCertify Direct	
SoftMan Products, Inc	247
Sony ITA Direct	126, 127
Spartan Tech	226, 227
Systemax, Inc.	116 117
TC Peripherals	248, 249
Thompson Computer War	
Thortek	256, 257
Tiger Direct	.92, 294, 295
Tiny Computers	80, 81
Tristate	
True Data Products	266
United Micro	61
Vega PC	100
Viewsonic	14, 15
Wetex International (U.S.A.)	
Winbook Computer Corpo	
Windrover	
Worthington Data Solutions	

- 1394 -



The 1394 interface is a high performance technology that can support up to 63 devices with data transfer speeds up to 400Mbits per second. We have a wide selection of 1394 products. Check 'em all out at: dirtcheapdrives.com/1394!

CardBus PCMCIA PCI Card	#70HTL00040	\$109
USB/PCI Board	#70HTL00060	\$139
PC/Mac PCI Board Kit:	#70HTL13941	\$89
1394 Hub	#70HTL00030	\$85
1394 Repeater	#70HTL00020	\$45
15 Ft. Cable: 6pin to 4pin	#70CAB13943	528
15 Ft. Cable: 6pin to 6pin	#70CAB13942	\$30
Umax 120 x 2400 dpi Flatbed Sc	anner w/bundled softw	vare:
For Home Office Users	#SPKG14006	5979
More 1394 products are being ad	ded to our site - come.	and see!

RIGOH 6x4x4x24 \$279

**TOSHIBA** 4x4x4x24

TOSHIBA DVD RAM 1x16x2 \$409 Bare SC51-2

Reads DVD-ROM, DVD-R, CD-ROM.

DVD & CD Video, CD Audio, CD-R & CD-RW disks. (spw111)

## () PIONEER

Make Your Own Movies!

Incremental write W/4 MB buffer · DVD-R write 1x, DVD-R read 2x

 Supports 3.95GB & 4.7GB disks Includes DVD mastering software and 3 blank DVD disks. SCSI drive Kit (DVRS201) \$3999

**DVD RECORDER** 

\$269

## - DVD -



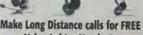
12x DVD Reader! Reads DVD-Rom Video DVD



8x DVD ROM Drive Kit w/ MPEG card by Creative \$229







**Using Labtec Headsets** CHECK IT OUT!

dirtchsapdrives.com/freeld

4x4x37 CD Rewritable for PC	or Mac	
Software Incl. #USB4X4X32	\$279	
100MB Zip Drive		
Software Incl. #ZIP100USB	\$129	
250MB Zip Drive		
Software Incl. #ZIP250USB	\$179	
2.2GB Orb		
Cartridge Incl. #ORBUSE	6250	

USB to SCSI Adapter #USBSCSI SuperDisk Drive 120MB & Floppy Reads Mac & PC #USBL5120 Floppy Drive for IMac \$149 ds/writes Mac & PC #USBFLDPPY \$85 10GB Hard Drive

15GB Hard Drive \$195 20GB Hard Drive \$213 **30GB Hard Drive** Visit www.dirtcheapdrives.com/usb for our complete product listing





www.dirtcheapdrives.com/shop

# MEMARICUM



## **IMPORTANT**

Due to market conditions, prices in this od may have increased or decreased. Please check our website for up to the minute prices at www.memman.com

NON-PARITY 7	2 PIN-60		 2
4Mb		X32	 \$12
BMB		X32	\$17
18MB	4	X32	\$45
32MB	8	X32	\$95
EDO 72 PIN-6	)		766
4MB	15	X32 EDO	 \$12
BMB.		X32 EDO	\$20
16MB	4	X32 EDO	 \$4
32MB	85	X32 EDO	 \$9
TRUE PARITY 7			0.0
8M8	2	X36-60	\$25
16M8	4	X36-60	555
32M8	8	X36-60	59
30-PIN MEMO	RY		
4MB	LOG	IC PARITY	 51
4M8	TRUE		51

# **DESKTOP MEMORY**

			PC100 CAS 2 SD	DAM TOOMU-	
SDRAM 66MHz					400
32MB	43/64	\$35	64VB		589
64MB	8X64	\$55	128MB		\$139
		4.44	THE REAL PROPERTY AND ADDRESS OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS	C SDRAM 100MHz	
128MB	16X64	3120	64MB	8X72-100 CAS 2	
and the			128MB	16X72-100 CAS 2	\$159
PC100 SDRAM	100MHz		PC133 SDRAM 1	33MHz	
64MB	8X64-100	565	64MB	8X64-133	569
128W8	16X64-100	\$118	128MB	16X64-133	5139
256M8	animi and		256MB		\$259
South			CORSAIR MEMO	RY	
PC100 ECC SDR	AM 100MHz		64MB	PC100	\$89
64MB	8072-100 ECC	\$75	64MB	PC133	589
128MB	16X72-100 ECC	\$159	and the same of th	PC100	
256MB	32X72-100 ECC	\$325	S. Allen Ville	PC100 CA52	
				PC133	7000

## **PROCESSORS**

Intel Pentium® III	Slot 1
Intel PIII-500	\$183
Intel Piti-5338	\$210
Intel PIN-533EB	5210
Intel PIII-550	\$216
Intel PIII-550E	\$216
Intel PIII-600E	S229
Intel PIII-6008	\$222
Intel PIII-600EB	5225
Intel PIII-650E	\$230
Intel PIII-667EB	\$218
Intel PIN 700E	5287
Intel PIA-733EB	5323
Intel PIII-750E	5385
Intel PIII-800E	5445

B = 133MHz 512K Cache

Intel PentiumsIII Socket 370 Flip	Chip
Intel PIII-550E	\$210
Intel PIII-600E	\$218
intel Ptil-600EB	5206
Intel PIII-650E	5219
Intel PIII-667E8	\$209
Intel PIII-700E	\$257
Intel PBI-73366	\$274
intel PIII-750E	\$389

Intel Celeron® Socket 370	Proces	sors
Intel Celeron 433A PPGA		\$90
Intel Celeron 466A PPGA Intel Celeron 500A PPGA		595
Intel Celeron 500A PPGA		\$104
Intel Colonia 527A DDGA		5111

Intel Celeron 533A PPGA
AMD-K6™ / K7™ Athlon™ Processors
AMD-K6-2 450MHz Propessor \$52
AMD-K6-2 500MHz Processor \$58
AMD-K6-2 533MHz Processor
AMD-K6-2 550WHz Processor
AMD-K7 Athlon™ 550MHz Processor \$132
AMD-K7 Arhlon <sup>TM</sup> 600MHz Processor \$164
AMD-K7 Athlon™ 650MHz Processor \$175
AMD-K7 Athlon™ 700MHz Processor \$205
AMD-K7 Afrilan™ 750MHz Processor \$230
AMD-K7 Afrikan™ BOOMHz Processor \$307
AMD-K7 Afrilan™ BSOMHz Processor \$407
AMD-K7 Athlon <sup>TM</sup> 900MHz Processor \$500
AMD-K7 Athlan <sup>TM</sup> 950MHz Processor CALL
AMD-K7 Athlon M 1GHz Processor CALL

## **IMPORTANT**

Due to market conditions, prices in this ad may have increased or decreased. Please check our website for up to the minute prices at www.memman.com

## HARD DRIVES

EIDE UDMA/66

WESTERN DIGITAL		
6.4 GB	5400RPM	579
10.2 GB	5400RPM	589
13.6 G8	5400RPM	5105
20.5 GB	5400RPM	5119

Seagate €					
8.4 GB	5400RPM	\$96			
13.0 GB	5400RPM	5112			
17.0 GB	540089M	\$116			
20.0 GB	5400RPM	\$128			

HP PRINTERS MEMORY	2MB	4MB	8MB
LaserJet 4P,MP,V/5,P,MP,N,SI/6P,MP,PXI	\$16	\$20	\$34
LaserJet III, D, P/IIP, Plus	\$35	542	

## **NOTEBOOK MEMORY & BATTERIES**

(CALL OR CHECK OUR WEBSITE FOR MODELS NOT LISTED)

Acer (+	8MB	16MB	32MB	64MB	BATTERY
Light 350, E, 352, 355, 763-880 Series	529	562			\$149
760i, 760ic	529	582			N/A
AST	8M8	16MB	32MB	64MB	BATTERY
Ascentia 800/810 Series	100	\$84			\$119
Ascentia J Series Kit	532	\$57	\$123		5205
Ascentia P Series	\$51	576	\$144		5299
COMPAQ	8MB	16MB	32M8	64MB	BATTERY
Contura 4/25 C, 4/25, 4/25CX	\$45	\$81	2000		\$119
Contura AERO Series	552	582			\$119
Contura 400/10/20/30 Series	541	\$82			\$119
Prescrio 1600 Series	-		\$45	\$87	\$140
Presgrio 1200 Series		550	\$43	581	\$140
Presorio 1010/20/30/60/65/70/75/80		555	5128		CALL
D&LL	8MB	16MB	32MB	64MB	BATTERY
Latitude 433m-475mc Series		584	-		\$119
Lefitude LX Series 410D/T/4750		584			\$119
Laftude XP/XPI Series	531	552	581		\$219
Latitude LM Series	-	\$58	\$123	\$164	N/A
FUJÍTSU	SMS.	16MB	32MB	64MB	BATTERY
Milan, Montego, Monte Carlo & Lifebook	531	\$55	584		N/A
Lifebook 600, 700, 900, B, C, E L	10000	\$50	543	579	N/A
IBM	8MB	16MB	32M8	64MB	BATTERY
Think Pad 345/355/360 Series	\$45	\$85		1	\$119
Think Pad 365X/XD Series	531	\$55	\$84		\$119
Think Pad 760EX/ED/E/EL/XD/XL Series	531	\$55	\$84	\$183	\$145
Think Pad 750-755 Series		5114	\$211		\$169
NEC	8MB	16M8	32MB	64MB	BATTERY
Ultra Lite Versa Series		594			\$134
Versa M/P 4000 Series		594	\$141		CALL
Versa 6000 Series		577	\$160	5282	N/A
SHARP	8MB	16MB	32MB	64MB	BATTERY
PC-3010/20/40/50/60 Series	529	\$62			5145
PC-87/88/8900 Series	1	588			5132
PC-9040/70 Series	529	\$62			N/A
PC-9000 Series		578	\$151		\$145
SONY	8MB	16MB	32M8	64MB	BATTERY
VAIO Series		\$46	\$89	\$161	1
TOSHIBA	8MB	16MB	32MB	64MB	BATTERY
T2100 Series	\$35	\$58			CALL
11900/46/47/48/4900 Series	\$50	578	4		CALL
Sciellite Pro 100/200/400 Series	542	\$67	\$111		\$119
Satellite Pro 300/500/2500 Series	1	560	\$84	\$163	CALL
Tecra 750/780 Series		560	\$84	\$163	CALL
Tecra 8000 Series		-	\$45	580	CALL

1-800-854-0067 www.memman.com

Memory Man 3440 Moures St., Svite 112 New Orleans, LA 70123 58-Free: 1-800-854-0067 Phone: 1504 818-2717 Fex: (304) 818-2720 Monday-Priday 8-30em-570pm, CST No wells in business

Suppose and handling charges are not solution in small. If day many back greaters has objecting & leading charges. Credit is broad at the immost just as the cartier has an adjace before a loose. Those are first all the last of order platement. Which are subject to thought which is many Main is not many many to provide the first program from any many or DOM, PUTS. Inform Manuscrip on many. The credit lastest due 15 days of invition day.



ALL MEMORY MODULES
We Accept APO/IPO Orders
to be involved Orders Assigned
Gov/Edu/Corp. P.D.s and
Prepaid Order Accepted No C.O.B.s



# Pune ecure online shopping

PC100 SDRAM DIMN	/IS		5V DIMIN	IS E	OR MAC	
4X64 PC100	32MB	\$34			32MB	\$84
8X64 PC100	64MB	\$59	8X64		64MB	5149
16X64 PC100	128MB	\$115	72PIN EI	00.5		7170
32X64 PC100	256MB	\$243	2X32 EDO		8MB	\$15
PC133 SDRAM DIN	IMS		4X32 EDO		16MB	\$44
8X64 PC133	64MB	\$60	8X32 EDO		32MB	\$79
16X64 PC133	128MB	\$116	16X32 EDO		64MB	\$69
32X64 PC133	256MB	\$236	32X32 EDO		128MB	\$229
PC100 ECC SDRAM	DIMIN I	/IS	CORSAIR	ME	MORY	
8X72 PC100	64MB	\$54	CM654S64-133	64MB	8X64 PC133	\$82
16X72 PC100	128MB	\$139	CM554S128-133	128MB	16X64 PC133	\$154
32X72 PC100	256MB	\$276	CM654S128-133C2			
16X72 PC100 REGISTERED	128MB	\$139	CM654S256-133	256MB		
32X72 PC100 REGISTERED	256MB	\$279	CM734S128-133	128MB	16X72 PC133 ECC	\$175
64X72 PC100 REGISTERED	512MB	\$516	CM744S512-133	512MB	64X72 PC133 ECC	\$823
PC133 ECC SDRAW	DIMIN I	IS	CM744S1024-133	1GB	128X72 PC133 EDC	\$2679
16X72 PC133	128MB	\$245	CM654S64-BX	64MB	8X64 PC100	\$81
32X72 PC133	256MB	\$289	CM654S128-BX	64MB	80064 PC100	\$154
32X72 PC133 REGISTERED	256MB	\$294	CM734S128-BX	128MB	16X72 PC100 ECC	\$174
EDO ECC BUFFERE	D DIM	MS	CM654S64-BX2	64MB	8X64 PC100 CAS2	\$81
8X72 EDO ECC BUFFERED	64MB	\$156	CM654S128-BX2	128MB	16X64 PC100 CAS2	\$154
16X72 EDO ECC BUFFERED	128MB	\$239	CM654S256-BX2	256MB	32X64 PC100 CAS2	\$303
32X72 EDO ECC BUFFERED	256MB	\$512	CM734S128-BX2	128MB	16X72 PC100 CAS2 ECC	\$173
3.3V EDO UNBUFFER	RED DI	MMS	CM724S256-BX2	256MB	32X72 PC100 CAS2 ECC	\$354
8X64 EDO	64MB	\$114	CM734S128-GX	128MB	16X72 PC100 ECC-GX	\$173
16X64 EDO	128MB	\$214	CM764S256-GX	256MB	32X72 PC100 ECC-GX	\$354
			CM754S512-GX	512MB	64X72 PC100 ECC-GX	\$739
			CM618DR128-800	128MB	64X18 FIDRAM 800 MHZ	\$511

			1000000	Control Control
DVD	CDR	om:	CD	RW

MITSUMI www	/.MITSUMI.COM		ASUS WWW.ASL	IS.COM	
48X IDE	FX4820T	\$45	40X IDE	CD-S400	\$46
4X4X24 IDE CDRW	CDRW4804TE	\$169	50X IDE	CD-S500	\$53
SONY www.so	NY.COM		HP WWW.HP.COM		
48X IDE	SY48XIDE	\$41	4X8X32 SCSI CDRW	92001	\$284
10X4X32 IDE CDRW	SYCRX145E/CH	5264	4X10X32 IDE CDRW	93001	\$294
TOSHIBA WWW	TOSHIBA.COM		CREATIVE LABS	WWW.CREATIVE	COM
48X IDE	XM6702B	\$50	52X IDE	CD5230E	\$45
40X SCSI	XM6401B	\$85	8X4X32 IDE CDRW	CDRW8432	\$219
6X DVD	SDM1222	5144	8X DVD		\$149
12X DVD	SDM1402	5154	PC-DVD RAM 5.2GB		5274
4X4X4X24 CDRW DVD	SDR1002	\$334			

## MONITORS

VIEWSONIC	WWW.VIEWSONIC.COM	RELISYS WWW.REI	ISYS,COM	
17" .27 1280X1024	E771 \$227	15" .28 1024X768	TE555	\$134
17" .25 1280X1024	E773 \$285	17" 28 1280X1024	TE770	5196
19" .26 1600X1280	E790 \$365	17" .26 1280X1024	TE786T	\$219
OPTIQUEST	WWW.OPTIQUEST.COM	17" .25 1600X1200	TE786H	5233
17" 28 1280X1024	Q71 \$218	19" .26 1600X1280	TE988	\$317
19" .26 1600X1280	Q95 \$344			
21" .26 1600X1200	Q115 \$699			

## **PROCESSORS**

INTEL WWW.INTEL.COM		PENTIUM III 866B 133MHZ ,18M	\$699
486DX266	\$9	PENTIUM III 933B 133MHZ .18M	5849
486DX4100	\$22	PENTIUM III 550E FCPGA	\$214
PENTIUM 133	\$25	PENTIUM III 600E FCPGA	\$224
PENTIUM 233MMX	\$50	PENTIUM III 600EB 133MHZ FCPGA	\$214
PENTIUM II 400	\$174	PENTIUM III 650 FCPGA	\$239
PENTIUM II 450	\$179	PENTIUM III 667B 133MHZ FCPGA	\$219
PENTIUM III 533B 133MHZ		PENTIUM III 700 FCPGA	\$279
PENTIUM III 550	\$209	PENTIUM III 733B 133MHZ FCPGA	\$309
PENTIUM III 550E ,18M	\$239	PENTIUM III 750 FCPGA	\$379
PENTIUM III 600B 133MHZ	\$239	PENTIUM III 800B 133MHZ FCPGA	\$399
PENTIUM III 600E .18M	\$249		\$639
PENTIUM III 600EB 133MHZ .18M			\$644
PENTIUM III 650 .18M	\$249		\$97
		CELERON 500 PPGA	\$107
PENTIUM III 700 .18M		CELERON 533 PPGA	\$112
PENTIUM III 733B 133MHZ .18M		CELERON 533 FCPGA	\$112
PENTIUM III 750 .18M		CELERON 566 FCPGA	\$114
PENTIUM III 800 ,18M	\$479		\$149
PENTIUM III 850 .18M	\$649	CELERON 633 FCPGA	\$199
AMD www.amb.com			
K6-2 350 3D	\$39	K7 Athlon 700	\$179
K6-2 450 3D	\$53	K7 Athlon 750	\$209
K6-2 475 3D	\$54	K7 Athlon 800	\$269
K6-2 500 3D	\$54	K7 Athlon 850	\$359
K6-2 533 3D	\$64	K7 Athlon 900	\$479
K6-2 550 3D	569	K7 Athlon 950	\$659
K7 Athlon 600	\$164	K7 Athlen 1000	1000
K7 Athlon 650	\$169	N/ Ainion 1000	\$896
CYRIX www.cyrix.com	3100		
MII300	\$26	MII400	\$44
MII333	\$30	MII433	
Mil366	\$41	MINOS	\$80
	711		-

LIGHTCORP.	сом	IN-WIN WWW.IN-WIN.COM	
ENATX-7101	\$52	MINIMIDTOWER ATX 235W IWATX-501	\$54
ENATX-7203	\$60	DESKTOP ATX 235W IWATX-DESKTOP	\$63
ENATX-7237	\$55	FULL TOWER ATX 235W IWATX-FULL	\$79
ENLP-8006	\$56	FULL TOWER ATX 300W IWATX-FULL300	\$86
ENLP-8902	\$369	SERVER TOWER DUAL 300W IW-Q2000	5299
	ENATX-7101 ENATX-7203 ENATX-7237 ENLP-8006	ENATX-7203 \$60 ENATX-7237 \$55 ENLP-8006 \$56	ENATX-7101         \$52         MINIMIDTOWER ATX 235W         IWATX-501           ENATX-7203         \$60         DESKTOP ATX 235W         IWATX-DESKTOP           ENATX-7237         \$55         FULL TOWER ATX 235W         IWATX-FULL           ENLP-8006         \$56         FULL TOWER ATX 300W         IWATX-FULL

## NETWORKING

3COM www.	зсом.сом		INTEL WWW.INT	ELCOM	
ISA 10BASE T	3C509BTPO	\$37	PCI 10/100 WITH REN	OTE	\$42
PCI COMBO	3C900BCOMBO	\$73	EDIMAX www.	EDIMAX.COM	100
PCI 10/100 WITH F	REMOTE 3C905BTX	\$50	ISA COMBO 10BT	2000PXA	\$17
PCI 10/100	3C905BTXNM	\$47	PCI COMBO 10BT	EN5200	517
PCI 10/100	3C905CTXM	\$46	PCI 10/100	EN9130TX	524

## SOFTWARE

MICROSOFT WWW.MICRO	SOFT.COM		
WINDOWS 98 SECOND ED	\$94	WINDOWS 2000 SERVER	5709
WINDOWS NT 4.0 WKST	\$189	OFFICE 2000 SM BUS	\$185
WINDOWS 2000	\$141	OFFICE 2000 PRO	\$319

We Now Carry Notebook & Printer Memory for All Major Brands!

Shop on-line!!! http://www.pcprogress.com Call Toll Free! (888) 727-7647

# UP YOUR PC! available 24 hours a day

## MOTHERBOARDS

	ASUS WWW.A	SUB.COM
\$104	K7M - WOA ATHLO	N 5149
\$129	K7M -WA ATHLON	\$154
\$136	K7V -WOA ATHLO	N \$159
\$93	K7V -WA ATHLON	\$164
5124	P3BF	\$126
\$104	P5A	\$90
\$79	P5AB	\$88
\$96	P3W	\$104
\$149	P3WE	\$134
\$169	P3CE	\$184
	P3CS	\$419
\$104	P3CD	\$369
\$71	P3CLS	\$465
\$81	P3V133	\$89
579	P3V4X	\$112
EFLOOM	CUV4X	\$119
\$110	GIGABYTE	WWW.GIGA-BYTE.COM
\$73	GA-7IXE	\$129
\$124	GA-5AXR5	\$73
5134	GA-5AAR3	571
\$79	GA-BX2000+	\$119
***	GA-6CXC1	\$134
\$96	GA-VXE7+	\$88
-	GA-6VX7-4X	\$104
444	Anti-San are	
	\$129 \$136 \$93 \$124 \$104 \$79 \$96 \$149 \$169 \$104 \$71 \$81 \$79 \$100 \$110 \$73 \$124 \$134	\$104 K7M - WOA ATHLON \$129 K7M - WA ATHLON \$136 K7V - WOA ATHLON \$136 K7V - WOA ATHLON \$124 P3BF \$104 P5A \$79 P5AB \$96 P3W \$149 P3WE \$169 P3CE P3CS \$104 P3CD \$71 P3CLS \$81 P3V133 \$79 P3V4X EPLCOM CUV4X \$110 GIGABYTE \$124 GA-5AXR5 \$134 GA-6VXT-4X

## **VIDEO CARDS**

ATI WWW.ATITECH.COM		STB www.stb.com	
3D CHARGER 8MB AGP	\$32	3DFX VELOCITY100 8MB AGP	\$56
ALL-IN-WONDER 128 32MB AGP	\$187	3DFX VOODOO3 2000 16MB AGP	\$78
ALL-IN-WONDER 128 PRO 32MB AGP	\$239	3DFX VOODOO3 3000 16MB AGP	\$111
RAGE FURY PRO 32MB AGP	\$109	3DFX VOODOO3 3500 16MB AGP	\$169
RAGE FURY MAXX 64MB AGP	\$160	MATROX WWW.MATROX.COM	
DIAMOND WWW.DIAMONDMIN	G200 8MB SDRAM	\$59	
VIPER Z200 32MB AGP	\$129	G400 16MB AGP SINGLE HEAD	\$95
STEALTH III 540 16MB AGP	\$47	G400 32MB AGP SINGLE HEAD	\$139
STEALTH III 540 32MB AGP	\$63	G400 32MB AGP DUAL HEAD	\$144
SPEEDSTAR A55 8MB AGP	\$26	G400 MAX 32MB DUAL HEAD	\$199
SPEEDSTAR A90 16MB AGP	\$54	G400 MARVEL 16MB AGP	\$279
CREATIVE LABS WWW.CREATIV	E.COM	ASUS WWW.ASUS.COM	
RIVA TNT2 16MB AGP	589	V6600 GEFORCE 256 DELUXE 32MB AG	P \$234

#### NOTEBOOK DRIVES

ANNIHLATOR PRO GEFORCE 256 DDR 32MB \$255 V6600 GEFORCE 256 PURE 32MB AGP \$212

TOSHIBA	WWW.TOSHIBA.COM

MK0803MAT	\$89	6.4GB 2.5" 12MM	MK6412MAT	\$149
MK4313MAT	\$129	12.0GB 2.5" 9MM	MK1214GAP	\$184
MK6014MAP	\$134	18.0GB 2.5" 12MM	MK1814GAV	\$264
	MK4313MAT	MK4313MAT \$129	MK0803MAT \$89 6.4GB 2.5 12MM MK4313MAT \$129 12.0GB 2.5 9MM MK6014MAP \$134 18.0GB 2.5 12MM	MK4313MAT \$129 12.0GB 2.5" 9MM MK1214GAP

## UDMA/UDMA66 HARD DRIVES

WESTERN DIGITAL	www.woo	COM.	FUJITSU www.	FUJITSU.COM	
10.2GB	WD102AA	588	4.3GB	3043AT	\$76
10.2GB 7200RPM	WD102BA	\$106	6.4GB	3064AT	578
13.6GB	WD136AA	\$106	8.4GB	3084AT	\$87
15.3GB 7200RPM	WD153BA	\$124	10GB	3102AT	\$89
20.5GB	WD205AA	\$114	13GB	3130AT	\$102
20.5GB 7200RPM	WD205BA	\$154	17.3GB	3173AT	\$115
30.7GB	WD307AA	\$154	20.4GB	3204AT	\$119
45.0GB	WD450AA	\$229	MAXTOR www	MAXTOR.COM	
IBM www.ibm.com			10.2GB 7200RPM	MAX10272	\$116
20.0GB 7200RPM UDMA100	307020	\$174	13.6GB	MAX136	\$109
30.0GB 7200RPM UDMA100	307030	\$224	20.4GB	MAX204	\$129
60.0GB 7200RPM UDMA100	307060	\$459	30.7GB 7200RPM	MAX30772	\$209
27.3GB 7200RPM	372730A	\$249	40.0GB 7200RPM	MAX40072	\$279
34 2GB 7200BPM	373420A	\$366			

## SCSI HARD DRIVES

	The state of the s			The same of	The state of the s	-
SEAGATE W	WW.SEAGATE.COM	1	QUAN	TUM WW	W.QUANTUM.CO	MC
9.2GB 7200RPM	ST39216N/W	\$234	9.1GB 7	200RPM	QM309100KN-LW	\$229
9.2GB 7200RPM	ST39236LW/LC	\$234	18.2GB U	160 7200RPM	QM318300XC-LW	\$399
9.2GB 7200RPM	ST39236LWV/LCV	5244	9.1GB 7	200RPM	QM309100TN-LW	\$364
18.4GB 7200RPM	ST318416N/W	\$349	18.2GB 1	0000RPM	QM318200TN-LW	\$559
18.4GB 7200RPM	ST318436LW/LC	\$349	36,4GB 1	0000RPM	QM336400TN-LW	\$1089
18.4GB 7200RPM	ST318436LCV/LWV	\$363	WEST	ERN DIG	TAL WWW.WD	C.COM
36.4GB 7200RPM	ST138475LW/LC/FC	\$799	9.1GB	10000RPM	WD91FN/FG/FH	\$169
50.1GB 7200RPM	ST150176LW/LC/FC	\$899	18.3GB	10000RPM	WD183FN/FG/FH	\$244
9.2GB 10000RPM	ST39204LW/LC	\$339	9.1GB	7200RPM	WD9180-0048/49	\$199
18.4GB 10000RPM	ST318404LC/LW	\$507	9.1GB	10000RPM	WD9150-0040/42	\$212
18.4GB 10000RPM	ST318404FC/FCV	\$559	18.0GB	7200RPM	WD18300-0048/49	\$202
36.7GB 10000RPM	ST336704LW/LC/FC	\$934	18.0GB	10000RPM	WD18310-0040/42	\$249
36.7GB 10000RPM	ST336704LWV/LCV/F0	CV\$934	IBM v	O.MBI.WWV	MOS	
73.4GB 10000RPM	ST173404LW/LC/FC	\$1467	9.1GB U	2W	907170U2W	\$204
73.4GB 10000RPM	ST173404LWV/LCV/FC	V\$1567	18.2GB L	J2W	318350U2W	\$324

## SOUND CARDS

CREATIVE LABS	WWW.CREAT	IVE.COM		
64AWE VALUE	CT4520	\$30	SOUNDBLASTER LIVE RETAIL	\$179
SB LIVE VALUE	CT4832	\$49	SOUNDBLASTER LIVE X-GAMER	\$95
PCI 128	CT4750	\$33	SOUNDBLASTER LIVE PLATINUM	\$182
ENSONIQ PCI	CT4811	\$23	SOUNDBLASTER LIVE MP3	\$95

MODEMS									
зсом	WWW.3COM.COM								
2976	56K PCI V.90 W/VOICE	\$61	2974	56K PCI V.90 W/VOICE	\$35				
2977	56K PCI V.90 NO VOICE	\$49	3595	56K PCI V.90 NO VOICE	\$30				

## REMOVABLE

IOMEGA	WWW.IOMEGA.COM		CASTLEWOOD WWW.CAS	NOO.COOWELL
ZIP 100MB		\$58	ORB 2.2GB INT IDE	5174
ZIP 250MB		\$114	ORB 2.2GB EXT SCSI	\$214

## We Now Carry Notebook & Printer Memory for All Major Brands!







V6800 GEFORCE 256 DELUXE DDR 32MB AGP\$306 V6800 GEFORCE 256 PURE DDR 32MB AGP \$262 V6800 GEFORCE 256 PURE DDR 64MB AGP \$319



Prices and availability subject to change without notice. 15% restocking fee on All returns within 30 days.—No returns after 30 days. Shipping, handling and C.O.D. charges are additional and non-refundable. Return shipping must be prepaid, insured and bearing an RMA on shipping label. Not responsible for typos.

http://www.pcprogress.com PC PROGRESS

1711 Elmhurst Road Elk Grove Village, IL 60007 Voice 847.593.7450 Fax 847.593.7480

# DABERDEEN

The Straight Talk People

You may get a "steal" on a motherboard like this for only \$1 at www.aberbid.com

# MOTHERBOARD GEEK HEAVEN!

Super7** Asus P5A-B EPAX EP-MVP3C2 EPAX EP-MVP3C5 FIC VA-6024 Pine VA7-AV Shutile HOT-591P Tyes S1890S Trinity 100A1	ARREST I ARR	ALI Aladan V. WA Apolio MAPS	100 4 200 2 200 2 200 2 2 2 2 2 2 2 2 2 2	Avent 2 Avent 2 Avent 2 Avent	Moral Col. 10-20	V66 4 2 V66 5 2 3 3	1 Baby AT 1 Baby AT 1 Baby AT 1 Baby AT ATE 1 Baby AT	Approximately 2 Marchael 2 Marcha	\$140 \$165 \$185 \$185 \$186	\$166 \$ \$101 \$ \$161 \$ \$174 \$ \$162 \$	20000000 LOOM 100 A1 A1 100 A1		4			
SIOT A  ABIT KAY Asis KTV FPOX EP-7KXA FIC SD11 Microstar K7 Pro Shutte Albt.	######################################	VA Apollo MVP3  Apollo AX1531 2 Apollo AX1531 3 Apollo AX1533 1 Apollo AX1533 1 AMD 730 AMD 750	20-10 384 3 3 Am 156	44 200/13 100 300/13 101 300/13 101 100 101 100 101 100	UmpDMAss UmpDMAss UmpDMAss UmpDMAss UmpDMAss	00 5 2 100 50 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ATX IV ATX IV ATX IV CORATX IV ATX IV ATX IV ATX IV CORATX IV ATX IV ATX IV ATX IV CORATX IV ATX IV CORATX IV ATX IV ATX IV ATX IV ATX IV CORATX IV ATX IV A	3 Yrs \$12 45 9 100 5100 5100 1 5126 1 5130 1 5130 1 5130 1 5125	\$100 Danger \$384 \$384 \$334 \$334 \$334		81 AND	\$679 S8 \$679 S8 \$679 S8 \$636 S7 \$636 S6 \$636 S7 \$636 S6 \$636 S7 \$637 S8	30 S11(2) 30 S11(2) 30 S11(4) 30 S10(4) 31 S10(4) 32 S10(4) 33 S10(4) 34 S10(4)	1	-	
Microstar K7T Pro AB	Stam VAA	To the trace of th	3 Award 3	DAZS TAVORMO DAZS OFFICIAL DAZS OFFICIAL DAZ	you = 1	ATX 1 Y ATX 1 Y MODATX 1 Y	\$139	2000 ST 2000 S	57 \$301 64 \$316 34 \$386	\$334	422 451 429 881 389 \$48	2 5/42 0 3640 9 5010	731 731 731 731 731 731 731 731 731 731	12	n 20	8 8 8 8 B
Socket 370 ABIT VH6 ASUS CUBX ASUS CUBX ASUS CUWAX EPAX EP-3VCA FIC FA11 Shuttle AV14 SuperMicro 3708EA	MODISTON MODITOR	MA Apolici Pro 1 Iriel 4400X MA Apolici Pro 1 MA Apolici Pro 1 MA Apolici Pro 1 MA Apolici Pro 1 MA BIOE MINE SIGE Riveron LE Riveron LE MA Apolici Pro 1	1024 4 104 1030 3 514 780 3 534 1024 4 334 768 3 512 3 512 2 2048 2 2046 2	Amand AC-I Amand	IV IV IV IV IV IV IV IV IV IV IV IV IV I	188 BWY 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ATX. ATX. ATX. ATX. ATX. ATX. ATX. ATX.	N   STORE   N	55 THESE DO 1922   1   1   1   1   1   1   1   1   1	000	6 \$316 0 \$290 0 \$270 0 \$270 8 \$260 1 \$281 0 \$291 8 \$406 1 \$701	8 2000 100 100 100 100 100 100 100 100 10	100 100 100 100 100 100 100 100 100 100	### Mind Profession (1974)   1974   1	3 13	9 9955 0 9955 0 9955 0 9955 0 9955 0 9956 1 5205 1 5205
SIGT 1  ABIT BEG-II ABIT VAK ABIT VTEXA ABIT VTEXA ABIT VTEXA ASUS PERD-S (Dust) ASUS PERD-S (Dust) ASUS PERD-S (Dust) Intel EAGG(X+ (D	VARQ 12/6 VARQ 12/6 VARQ 12/6	Institution of the control of the co	34 709 1 1028 4 1028 4 1028 4 1028 4 34 700 3 34 1024 4 2048 4 700 3 4 1024 4 2048 4 700 1 1024 4 34 2046 4 700 1 1024 4 34 2046 4	America Americ	AC-07 Usual AC-07 Usual AC-07 Usual AC-07 Usual AC-07 Usual AC-07 Usual AC-07 Adequate Action Action Action Action Line Line Line Line Line Line Line Lin	MAN (6 6 6 MAN (6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	######################################		\$140 \$88 \$107 \$497 \$140 \$108 \$108 \$508 \$508 \$508 \$508 \$508 \$508 \$508 \$5	22	882 FRANCE DE SE	22.00 september 100 september	Marie II 100 Marie II Marie III Marie III	100 Page 100	8 11	10 MS 95 95 MM NA
		2 2	Tos-pin blank Gretories Flash 8108	And the state of t	Manager Utte	STEEN trail	SRCV160+	1 AGP Slet	ATX SWTX	Association Namedy	on Wichtelly Feathure 1816 Content Science 5125 C1000Mis FSS	white Xee 5508Hz 1M 1004Hz F2E	2002 SOUNT SE SOUNT S	2 w Dead latel Acce > SQDBlez S12K 100Blez	FEB TOWNER THE FEB TO	100MHz F28 M Tabl Xcee 800MHz 18 100MHz F58

_	-
\$155.	
\$204	99
\$742	99
1559	99
\$24	95
\$29	9
\$26	98
388	di
	***
	\$204 \$742 \$1559 \$233 \$272 \$297 \$332 \$319 \$249 \$189 \$79 \$29 \$29 \$253 \$339 \$339 \$339 \$339 \$339 \$339 \$339 \$3

## 3dfx

3Dtx	Vaccinz	1000	12MB	PGI:	30, 80	0-00 388.99
3DN	Voodon3	2000	TEMB	ABP		\$87.99
3Dfx	Y00/003	3000	16MB	AGP	PCI	\$117/155
306x	Vendood!	3500	16MB	ASP		\$179.99
3Dtx	Voodesõ	5500	64MB	AGP	1111	\$319.99

## Аī

3D Charger 4MB PCVAGP	530.99
	144/202
RAGE Fury RAGE 128 32MB AGP	\$135.99
RAGE Fury Pro RAGE 128 PRO 32MB	\$144.99
RAGE Fury MAXX 2xRAGE 128 PRO 64MB	88171.99
TV Wonder TV Tuner for Overlay Support.	\$86.99
Xpert2000 RAGE 128 32MB AGP	579.99
Xpert98 RAGE PRO BMB	\$39.99
XpertigiPlay98 RAGE PRO PCI/AGP BMB	\$55.99

## DIAMONE

SpeedStar A200 S3 Savage 4 Pro 8MB.	531.9
Steath III S540 S3 Savage 4 Pro 32MB	\$69.9
Viper II Savage 2000 32MB	\$175.9

# matrox

Milleaniam	G400	MAX AGP4X 32M	\$233.99
		AGEAX 32M CEM	
		SH AGPAX 32M DEN	

## **ETHERNET CARDS**

Bas		

3Com 3C509B-Combo EtherLink Retail	\$121.99
3Com 3C900B-Combo EtherLink XL Bulk	_\$78.99
SmartLink 16-Bit ISA Jumperless Combo	\$12.99
SmartLink 32-Bit PCI Jumperless Combo	\$11.99
10/100 East Sthangel	

3Com 3C905C-MTX Fast ELinkXLPCt Bulk . \$52.99 3Com 3C908C-MTX Fast ELinkXLPCi Retail \$86.99 3Com 3C905C-MTX Fast ELinkXLPCI 20-pk \$1199 ired EtherExpress PR0/100+ PCI w/Boot. \$47.99 Intel PILA8470-B Server AdapterPCI SmartLink 10/100Base-TX PCI

## **ETHERNET HUBS**

S.Com	
OfficeConnect Hub TP4 3C16704	\$46.9
OfficeConnect Hub TP4Combo 3C16703.	569.95
OfficeConnect Huti 8 /TPC 3C16701	. \$85.98
OfficeConnect Hub TP16C 3C16702A	\$169.96
	\$109.9
OfficeConnect Fast EtherHub 8 3C16722A	\$169.95
OfficeConnect Hub TP1200 3C16721	\$309.9
OfficeConnect Switch 400 3C16733	\$309.95
OfficeConnect Nelwarking Kit	

## Amblak

Card Marillan
SmartLink 9-Port 108T Hub 9+1 RJ-45 \$28.99
SmartLink 17-Port 108T Hub 16+1 RJ-45:\$49.99
SmartLink 10/100 5-Port stack ext ps \$69.99
SmartLink 10/100 B-Port stack ext ps \$89.99
SmartLink 10/100 16-Port stack ext ps\$189.99
SmartLink Internet Sharer \$139.99
Smortl ink Printer Switch 599.99

## MONITORS

17" KDS AV-7TF . 24AG Trimilron CRG	04_\$273.9
17" KDS VS-7/ 1280 NI 27 CR222	\$221.9
17" KDS VSx-7e w/Sphrs C/1/349	\$246.9
19" KDS VS19sn .25 Short Neck CRC	853 \$369.9
19" Sony CPD-G400 Trinitren 24AG	\$849.9
21° Sony CPD-G500 Trinitron .24AG	\$1169.9
24" Sony GDM-W900 Wide Triaitren	\$2339.9

## -WVIINDAI

AN I OF RAME IN	
Hyundal DeliteScan monitors wit	r.
90-days EKM irplicement guitant	vic.
15" S560 1024@60Hz 28 CH908	\$138.99
17" S770 1280(960Hz .27 C8/909	\$209.99
17" V790 1600@75Hz 26 cR972	\$224.99
17° F790 1600@76Hz .24sp Flat CR9/3.	\$279.99
19" P910 1792@75Hz .26 CR907	\$309.99
19" P990 1600@75Hz .25 CRV15	\$349.99
21° P210 1792@75Hz .25 CR976	\$829.99
LCD (Flat Panel)	
15" LM1500A LCD 1024@85Hz LCD901	\$929.99
15" LM1510A LCD w/USB&Spkrs LCD902	\$999.99

## **MATUNG**

14" C4MTR 1024 NI 28 CRI736	\$123.99
15" C5BZR 1280 NI .28 OSD CRI737	\$148.98
17" C7BZR-25 1280NI 25 OSD CRI734	\$222.99
19" C9RZR 1280NI :26 OSD CRI735	\$374.99

## ViewSonic\*

T AS TINOUTERS	
15" Opt Q51 1024@67Hz .28 CRISOS	\$149.99
17" Dpl Q75 1600@69Hz 25 LAW/2	\$283.99
17" GF775 1600@76Hz .24 PerfectFlat.	\$352.99
17" GS773 1280@76Hz .26 Short Depth	\$292.99
17" PS775 1600@77Hz 25 Short Depth	\$340.99
17" PF775 1600@77Hz .25 PerlectFlat	\$359.99
19" Opti 095 1600@76Hz .26 CR929	\$354.99
19" GS790 1600@76Hz .26 Shert Depth	\$412.99
19º PS790 1600@76Hz 25 Short Depth	\$499.95
19° PF790 1600@88Hz 25 PerfectFtal.	\$476.99
21° Opti V115T Diamond Tron CAR20	\$940.99
21° G810 1600@71Hz .25 (2)1809	\$778.95
21° P810 1600@76Hz 25 CR845	\$867.99
21° P815 1800 5076Hz 25 USB CM962	\$912.96
21" PT813 1800@85Hz 28AG CRB0/	3998.96
211 P817 Xireme 2048@185Hz 26	\$1546.95

## CASES

on our full line of cases

Desktop (T) 3x51/4 4x31/4 (2 hid) 230W	.\$59.95
Mini Tower 3x51/1 2x31/1/2 Noden) 230W	
Mid Tower 3x51/4" 4x31/4"(2 hidden) 230W	\$59.99
Full Tower 4x51/1" 3x31/1"(1 hidden) 300W	\$149.99
SuperMicro SC701A 235W	\$89.91
SuperMicro SC730A 235W	\$89.99
SuperMicro SC750A/S 300W (Fits Xeen)	\$158.95
SuperMicro SC760A 300W (Rid Cool PS)	\$168.99
SuperMicro SG801SA/AX 2x300W\$	598/610

## The Ultimate PC Enclosure

· Adjustable feet :14999

	CHUI	
tronics 7890	A 8-51/7 3K31/7 300W	\$149.9
trunics 6890	IA 5x51/1° 3x31/1° 250/300W .	.\$109/12
bronics 3890	M 36517 46317 250/300W	\$79/9

## CAT 5 PATCH CABLES

_								
iniger	V.5	/Bito	h Ca	Mic a	ATHE	stati	Annex.	Attak
							Hollow	

\$3.75
\$4.99
\$5.99
\$10.99
\$15.99

## CD-ROM / MULTIMEDIA

DVD Drives / MPEG Decoding	
Creative PC-DVD Encore 8X Dxr3	\$265.9
Shuttle SDVD-101 10X/40X ATAPI DVD	
Hitachi GD-5000 8X/40X ATAPI DVD	\$154.9
Toshiba SD-M1402 12X/40X ATAPI DVD	.\$169.9
Toshiba SD-M1201 5X/32X SCSI DVD	\$150.9
Tosh. SD-R1002 4X4X4X24X CDRW/DVD	\$289.9
Toshiba SD-W1111 SCSI 5.268 DVD-RAI	A\$412.9
REALmagic Hollywood + DVD Decoder	.\$68.9
CD-ROM	

CD-ROM	
Ager 50X ATAPI CD-ROM	\$45.99
Kenwood TrueX 52X ATAPI CD-ROM	\$83.99
Kerrwood TrueX 72X ATAPI CD-ROM	\$129.99
Plextor LitraPleX Wide SCSI 40X Reader	
Toshiba XM-6401B 40X SCSI CD-ROM	\$93.99
Toshiba XM-6702B 48X ATAPI CD-ROM	\$63.99
CB-Recorder / CD-ReWriters	

PD-WECOLOGY   PD-WEARINGS	3
HP CD-Writer 9300: ATAPI 10X/4X/32X	\$307.99
HP CB-Writer 9200i SCSI 8X/4X/32X	5297.99
Plextor PlexWriter 8X/4X/32X ATAPI	.\$229.99
Pleidor PlexWriter 12X/4X/32X SCSI	\$379.99

Somm Caung	
Creative VIBRA 128 OEM	\$23.99
Diamond Monster Sound MX400 OEM PC	1,552.9
Pine Crystal ISA/PCI Audio PnP\$17	.99/19.99
Sound Blaster Live! OEM	\$54.9
Sound Blaster Live! MP3 + Retail	.891.99
Sound Blaster Livel X-Gamer Retail	591.9
Sound Blaster Live! Platinum PCI Retail	\$182.9

Shearate	
After Lansing ADA305 Digital USB 3-pc	\$157.9
Cambridge PCWorks FourPointSurround	\$77.9
Cambridge FPS2000 Digital 5-pc	
Cambridge DeskTop Theater 5:1 DTT2500	
MidiLand MLI-270TA 2-pc 36W w/3DSP.	
MidiLand MLI-480 3-pc 30W	\$39.9
\$4 MidiLand 7100 7-pc 100W 5.1 Digital	
\$4 MiniLand 8200 8-pc 200W 5.1 Digital	

## MEMORY

Memory prices charge frequently Please will av vésit our web site a

www.aberdeeninc.com/s/top/for	latest prices
4Mx32 (16M8) 72-pin 60ns EDO	842.9
4Mx36 (16MB) 72-pin 60ns Parity	
8Mx32 (32MB) 72-pin 60ns	\$87.9
8Mb/32 (32MB) 72-pin 60ns EDO	
8Mx36 (32M8) 72-pin 60ns Parity.	\$97.9
8Mx64 (64M8) PC100 SDRAM	
16Mx64 (128MB) PC100 SDRAM.	\$133.9

All Corsult memory involvies are built with th highest quality components and gurnamed for compatibility, or your mong-back width 30 days of purchase without any netocking for-

## Affering normany:

Corsair PC188 SBRAM	
CM654S64-BX 64MB MYC206	\$86.99
GM654S64-B0(2 64MB CAS-2 M/C210	\$89.90
CM654S128-BX 128MB M/C267	
CM654S128-BX2 128MB CAS-2 MIC211	\$179.95
CM654S256-BX2 256MB CAS-2 MIC224	
Cornair PC100 FCC SDRAM w/Pa	

Corsair PC100 ECC SDRAM W	Parity
CM734S64-BX 64MB M10204	\$99.99
CM734S64-80(2 64MB CAS-2 M/C27)	\$109.99
CM7345128-BX 128MB AVC209	\$190.99
CM784S128-80(2 128MB CAS-2 M/C2	19.5199.99
CM724S256-EXX 256MB CAS-2 Unreg	3399.99
CM764S256-8X2 256MB CAS-2 Rog.	\$399.99
CM754S512-GX 512MB MC225	
Corsair PC133 SORAM	

FWI/249015-09 515MB W//552	1,9019/8
Corsair PC133 SDRAM	
CM654S64-133 64MB M/C220	\$89.9
CM654S128-133 128MB MYC221	\$179.9
CM734S128-133 128MB ECC M/U22/	\$199.9
CM654S256-133 256MB AVC223	\$349.9
CM734S256-133 256MB ECC MIC228	\$399.9
Kingmax TinyBGA SDRAM	
BMx8 (64MB) PC100 SDRAM	\$70.9

8Mx8 (64MB) PC100 SDRAM	_\$70
8Mx8 (54M8) PC133 SDRAM	\$75
8Mx8 (128MB) PC100 SDRAM	\$140
8Mx8 (128MB) PC133 SDRAM	\$144
16Mx4 (256MB) PC133 SDRAM	\$299

## CONTROLLERS

Adaptec AAA-131U2 Kit Uliva2 LVD PCI	\$489.9
Adapted ARO-1130U2 Kit Litra2 LVD PCI.	\$299.9
Adapted 19160 Ultra160 LVD 32-bit PCI	
Adapted 29160 Ultra160/LVD 64-bit PCI	\$349.9
Adapted 39160 Ultra160/LVD PCI 2-Ch	\$399.9
Adapted AHA-2940LI Kit Fast SCSI-2 PCI.	
KSI KW-801V75 Symbles UltraWide SCSI	
Mylex eXtremeRAID Ultra2 3-Chi RAID3	
Promise FastTrak66 IDE RAID (0, 1, 0+1)	\$116.9
Promise Litra66 PCI LitraATA/66	
SHG Duet Slot Saver 2xECP/EPP ISA	
SIG Doet Stot Saver 2xECP/EPP PCI	\$79.1

## HARD DRIVES

Enhanced IDE		
8.468 WD84AA 9.5ms 2048K Ultra66	\$95.	ä
10.26B Maxtor 51024U2 7200rpm		
10.268 WD102AA 9.5ms 2048K Ultra66		
10.2GB WD102BA 2048K 7200rpm		
13.6GB WD136AA 9.5ms 2048K Ultra66		
15.0GB Quantum Fireball LM 7200rpm		
15.3GB Maxor 51536U3 9ms 7200rpm		
20.4GB Moder 52049U4 9ms 7200rpm		
20.4GB Quantum Fireball LCT10 Ultra66		
20 5GB Quantum Fireball LM 7200rpm		
20.0GB IBM Deskstar 75GXP 7200rpm		
20.5GB Seapate BarracudaATAII7200rpm		
20,4GB WD204BA 2048K 7200rpm		
30.0GB IBM Deskstar 75GXP 7200rpm		
30 0GB Maxter 53073U6 9ms 7200rpm		
30.0GB Quantum Fireball LM 7200rpm		
30,668 Quantum Firebal LCT10 Ultra66		
30.7GB WD307AA 9.5ms 2048K Ultra66		
40.0GB Mader 54098US 9ms 7200rpm		
45.0GB IBM Deskstar 75GXP 7200rpm		
60.0GB IBM Deskstar 75GXP 7200rpm		
75.0GB IBM Deskstar 75GXP 7200mm		
Ultra2 SCSI (LVD)	10000	11
10 OCE IDA 12 TV DARKE SEGREGA	2520	į

18.2GB IBM 18LZX DMVS 10000rpm	\$538.99
18.3GB WD Vantage 10000rpm	\$340.99
36.4GB IBM Ultrastar 36XP 4MB 7.5ms	\$1099.99
36.7GB (BM Litrastar 36ZX 5.4ms	\$803.99
50.16B Seagate ST150176UW 7.4ms	\$942.99
Ultra160 SCSI (LVD)	
9.1GB Quartum Attas V 6.3ms	\$232.99
9.1GB Seagate Barracuta XL 5.8ms	\$258.99
9.2GB Scapate Cheetah XL 10033rpm	\$363.99
18.2GB Quaritum Atlas V 6.3ms	\$363.99
18.2GB Quantum Atlas18K 1000Grpm	.\$567.99

St. 100 WHATHIRD MIRES & Drubby	INDEPORTURE.
9.1GB Seagate Barracuta XL 5.8ms	\$258.99
9.2GB Scagate Cheetah XL 10033rpm	\$363.99
18.2GB Quaritum Atlas V 6.3ms	\$363.99
18.2GB Quantum Atlas16K 1000Grpm	.\$567.99
18 2GB Seagate Barracuda XL 5.8ms	\$368.99
18.2GB Scapate Cheetah XL 10833rpm	\$875.99
36.4GB Quantum Attas V 6.3ms	\$949.99
36.4GB Quantum Atlas 10KH 10000rpm	\$999.99
36.4GB Seagate Cheetah36LP10000rpm	\$969.99
73.4GB Seagate Cheetah 73 10000rpm	\$1668.99
PC Power & Cooling Bay-Cool (ext 51/s ba	y).\$59.99

# Logicube

## Hard Drive Duplication

◆ OmniClone® Solitaire®; smallest hand held unit on the market

• Data transfer rate exceeding 800 MB/min

· Master drives can hold up to 24 selective partitions

♦ Scales FATS 16, 32 &

Spinare 1 Target IDE Drive HDP507	58
Reptique 2 Target IDE Drives (IDP)(01	\$199
Replique 5 Target IDE Drives HDP502,	\$365
Replique 10 Target IDE Drives (IDP501	3625
Declining I.E. Tanget IDE Donne Little Co.	4.000

845

## REMOVABLE DRIVES

Castlewood ORB 2.268 Int. EIDE	\$211.0
Iomega Jaz 2GB Internal SCSI	
Iomega Zip 250MB External SCSI-2	
lemega Zip 100MB ATAPI/SCSI Insider	bulk \$66/9
tomega Zip 100MB External USB	\$125.9
lomega Zip cartridge Single/10-Pack	513/10
LS-120 "SuperDisk" Int. Drive	\$77.9

## **FAX MODEMS**

3Com 56K V.90 Winmotern	\$52.99
3Com 56K V.90 Internal	\$99.99
Diamond SupraSonic II 112K dual-line	
Pine PT36215 56K V.90 w/Voice & Spkr.,	\$21.99
SmartLink 5634BTS 56K V.90 x2 w/Voice	\$46.99
SmartLink 5634PCI 56K V.90 PCI w/Vaice	5.831.99
SmartLink 5634TS 56K V.90 External w/V	\$62.96
SmartLink 56UST 56K V.90 External USB	.\$59.95

## UPS

APC Back-UPS 500 (PSS07)	\$139.99
APC Back-UPS Pro 350 (USB) UPS30/.	\$179.99
APC Back-UPS Pro 650 UPSSOT	\$279.99
Archnek SmartLink SLS-330 UPS100	\$69.99
Architek SmartLink SLS-460 UPS101	\$89.99



## ABERDEEN

9130 Norwalk Boulevard Santa Fe Springs, CA 90670 562-699-6998 Fax 562-695-5570

## 800-501-6502

#### www.aberdeeninc.com/shop

Mon-Fri 6:00 AM - 7:00 PM PST Tech Support 8 AM - 5 PM Mon-Fri

email: sales@aberdeeninc.com



## Ad Code # CS008

Build your own system or buy off-the-shelf 'Cs or peripherals- either way it's a bargai PCs or peripherals- etti Excellent Web site too."







## WHY ABERDEEN?

- Straight Talk
- Our 9th Year of Happy Customers
- Quick Response and Delivery
- Custom Configurations
- No Credit Card Surcharges
- We Check against Credit Card
- Fraud for Your Protection ■ 30-Day Money Back Guarantee on
- One Year Parts and Labor Warranty
- Toll Free Technical Support
- 220V Units Always in Stock
- International Orders Welcome. Se habla Español.





TERMS and CONDITIONS: Proclasse Orders accepted on approved credit. Cottorate, government and university PO's wiscomed. Fix lines are open 24-thors. Prices are in US Deliber. POB Santa Fe Springs. Prices and specificarions subject to change. No returnes on stropping and handling changes, opened software. 15th institution piec on non-system returns. Monitors are non-relandable except with Systems. Overright DOA replacements of Abendeers becomist on Systems party. Absolutely no instrume without an RMM return authorization. "Straight Talk" and "The Straight Talk People" are service marks of Abendeers LLC, which me inside Lapp. Perfution per negatived trademarks and Pentium III Neon. Celeron, MMX are trademarks of vincs Consentian. Other trademarks and of their lespositive covers. © 1921-2000 Abendeen LLC (1908).

800-501-6502

# Proven Performance

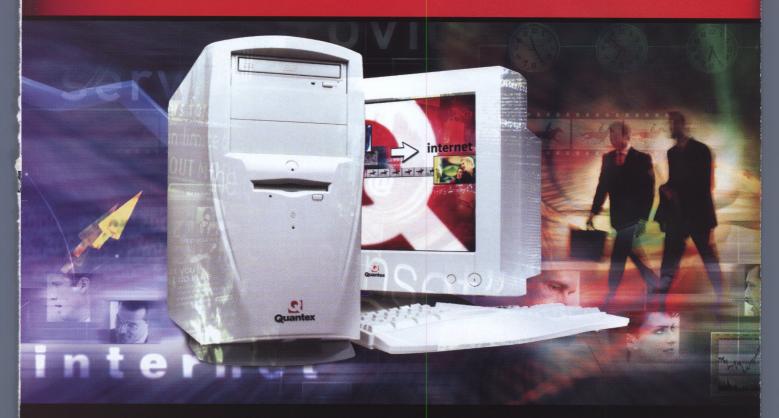


With Quantex you get it all-proven performance, award-winning service and reliability, and a truly amazing value. Our SM-Series Desktops incorporate the latest technologies in a box designed to maximize your overall experience (and save you a few bucks). For one, they're powered by the fastest Intel® Pentium® III



processors! Combine that with a whole host of other top-notch name-brand components and you've got state-of-the-art performance even when running the most cumbersome multimedia applications, games, DVD, the Internet and more. Get a Quantex and you're in for the most dazzling PC experience yet

# Solid Specs



"A strong performer for the price, this [SB-Series] would fit into almost any business environment..." *PC World, 5/00* 

Spec for spec, Quantex Business Desktops and Workstations are configured for success at prices that are much less than you'd expect. Extremely powerful and manageable, they're great for business users in organizations of any size. Propelled by the most reliable OS on the planet—Windows 2000—these systems offer increased reliability, better performance, robust security, integrated web browsing and much more. Plus, these solutions will give your users the type of web experience they're hungry for—seamless performance, content that's instantly available and better-thanever richer graphics and sound. After all, your business can never be too fast, too powerful or too reliable.

returned items must have a conspicious RMA number issued by Quantex and be in original packaging, 30-4ay conditional money-back policy does not include return freight or original shipping/handling charges. "Quantex SM933x Power Deskting within potional speakers of DVD." Windows 2000 statistics as reported from the Aberdeer Group, "Quantex S6K Internet Fav/Moderns support the ITU V9D standards. Mariamensions spead of up to 56K/pbs when downloading and 3.5 K/pbs when original speakers of DVD." Windows 2000 statistics as reported from the Aberdeer Group, "Quantex SM933x Bissonians and a statistics as reported to the SM935x Bissonians Desktog shown with optional 200 drivers SM935x Bissonians Desktog shown with optional 200 drivers SM935x Bissonians Desktog shown with optional 200 drivers SM935x Bissonians Desktog shown with packed and the SM935x Bissonians Desktog shown with packed and the SM935x Bissonians Desktog shown with packed and the SM935x Bissonians Desktog shown with packed to the SM935x Bissonians Desktog shown with packed to the SM935x Bissonians Desktog shown with packed to the SM935x Bissonians Desktog shown and the International Control of the SM935x Bissonians Desktog shown and the International Control of the SM935x Bissonians Desktog shown and the International Control of the Company of the SM935x Bissonians Desktog shown and the International Control of the Company of the SM935x Bissonians Desktog shown and the International Control of the Company of the SM935x Bissonians Desktog shown and the International Control of the Company of the Control of the Con



Your new Quantex system comes equipped with the latest software plug-ins2 which allow you to immediately begin enjoying the streaming video, 3D animation and music technologies of Intel® Pentium® III processor-optimized sites



Quantex SM933x Power Desktop\* & W-1500 Notebook w/Optional Docking Station Pictured

## **POWER DESKTOPS**

Standard Features: 3.5° 1.44MB Floppy Drive, 2 USB Ports, 56K V.90 Internet Fax/Modem, ATX Mid-Tower Case, Internet-Ready Keyboard, MS Mouse, Microsoft Windows 98 2nd Ed., Software Essentials Titles, 3-Yr. Limited Warranty, One Year Limited On-Site Service\*, Toll-Free Technical Support

## **QUANTEX SM933**x

**Cutting-Edge Performance Desktop** Intel® Pentium® III Processor 933MHz 128MB PC133 SDRAM Memory 40GB 7200rpm Ultra ATA-66 Hard Drive 19" High-Resolution Digital Monitor nVidia GeForce 256 Graphics w/32MB, TV-out CD-ReWritable Drive

10/100 PCI Network Card-Broadband Ready Altec Lansing ACS-33 Speakers w/Subwoofer SoundBlaster AudioPCI 128 Sound Microsoft Office 2000 SBE

Business lease:\$86/Mo., 36 Mos. LI-QUOTE: csg08s33

**QUANTEX M800s** 

### **QUANTEX SM800s**

**Cutting-Edge Performance Desktop** Intel® Pentium® III Processor 800MHz 128MB PC133 SDRAM Memory 40GB 7200rpm Ultra ATA-66 Hard Drive 17" High-Resolution Digital Monitor nVidia GeForce 256 Graphics w/32MB, TV-out 12x Max Variable Speed DVD-ROM Drive 10/100 PCI Network Card-Broadband Ready Altec Lansing ACS-33 Speakers w/Subwoofer SoundBlaster AudioPCI 128 Sound

Microsoft Office 2000 SBE

Business lease:\$65/Mo., 36 Mos CI-QUOTE: csg08s21

#### **OUANTEX SM733t**

**Cutting-Edge Performance Desktop** Intel® Pentium® III Processor 733MHz 128MB PC133 SDRAM Memory 30GB 7200rpm Ultra ATA-66 Hard Drive 17" High-Resolution Digital Monitor nVidia TNT2 A GP Graphics w/32MB, TV-Out Internal Zip Drive 12x Max Variable Speed DVD-ROM Drive

10/100 PCI Network Card-Broadband Ready Altec Lansing ACS-21W Speakers SoundBlaster AudioPCI 128 Sound Corel WordPerfect Office 2000

Business lease:\$54/Mo., 36 Mos.

CI-QUOTE: csg08s13

#### Popular Upgrades:

Upgrade from Internal Zip Drive to CD-ReWritable for \$109. Upgrade from nVidia GeForce 256 Graphics w/32MB. TV-out to nVidia GeForce2 GTS 32MB DDR for \$149.

#### Enhancements:

Add MS Sidewinder Precision Pro Joystick for \$49 Add 12x Max Variable Speed DVD-ROM Drive for \$99. Add 48-bit USB Color Scanner for \$99. Add Intel AnyPoint Home Networking Kit for \$119. Add Lexmark Z52 Color Printer for \$179. Add Epson PhotoPC Digital Camera for \$299.

Call for additional specials and promotions!

## VALUE DESKTOPS

## Affordable Desktop Solution Intel® Pentium® III Processor 800MHz 128MB High-Performance SDRAM Memory 20GB Ultra ATA-66 Hard Drive 17" High-Resolution Digital Monitor Intel 2D/3D Graphics Accelerator

12x Max Variable Speed DVD-ROM Drive Dynamic Wavetable Stereo Sound 3-Piece Stereo Speakers w/subwoofer Corel WordPerfect Office 2000

Business lease:\$47/Mo., 36 Mos. CI-QUOTE: csq08m40

## **QUANTEX M667v**

### Affordable Desktop Solution Intel® Pentium® III Processor 667MHz 64MB High-Performance SDRAM Memory 10GB Ultra ATA-66 Hard Drive 17" High-Resolution Digital Monitor Intel 2D/3D Graphics Accelerator 12x Max Variable Speed DVD-ROM Drive Dynamic Wavetable Stereo Sound

3-Piece Stereo Speakers w/subwoofer

Corel WordPerfect Office 2000 1079

Business lease:\$39/Mo., 36 Mos. SI-QUOTE: csq08m21

#### QUANTEX M566c

Standard Features: Floppy Drive, 2 USB Ports, 56K V.90 Internet Fax/Modem, ATX Mid-Tower Case, Internet-Ready Keyboard, MS Mouse, Microsoft Windows 98 Second Edition, 3-Yr. Limited Warranty, One Year Limited On-Site Service\*, Toll-Free Technical Support

## Affordable Desktop Solution Intel® Celeron™ Processor 566MHz 64MB High-Performance SDRAM Memory 10GB Ultra ATA-66 Hard Drive 17" High-Resolution Digital Monitor Intel 2D/3D Graphics Accelerator 48x Max Variable Speed CD-ROM Drive Dynamic Wavetable Stereo Sound

Corel WordPerfect Office 2000

SI-QUOTE: csq08m04

## Popular Upgrades:

Upgrade from Intel® Celeron™ Processor 566MHz to Intel® Celeron™ Processor 600MHz for \$50. Ungrade from 48x Max Variable CD-ROM Drive to 12x Max Variable DVD-ROM for \$59. Upgrade from 64MB SDRAM to 128MB SDRAM for \$99.

#### Enhancements:

Add Canon BJC 2100 Color Printer for \$49 (after rebate). Add AGFA CL18 Digital Camera for \$149. Add Intel AnyPoint Home Networking Kit for \$119. Add CD-ReWritable Drive for \$199.

Call for additional specials and promotions!

## PERFORMANCE NOTEBOOKS

Standard Features: Floppy Drive, Integrated Stereo Sound & Speakers, Smart Lithium Ion Battery, Personal Touchpad, USB, Fast IR Ports, 56K V.90 Internet Fax/Modem, Toll-Free Technical Support, 3-Yr. Limited Warranty on CPU & Memory, 1-Yr. Parts & Labor Limited Warranty on all other components

## W-SERIES BEST BUY

**Desktop Replacement Notebook** New Pentium® III Processor 750MHz featuring Intel® SpeedStep™ Technology 15" XGA TFT Active Matrix Display 128MB PC100 SDRAM Memory 18GB Ultra ATA Hard Drive Modular 8x Max Variable Speed DVD-ROM Drive ATI Mobility P Graphics w/8MB, TV-Out Quantex Deluxe Carrying Case Included! MS Windows 2000 Professional

Microsoft Office 2000 SBE

Business lease:\$105/Mo., 36 Mos CI-QUOTE: csq08w04

Call 1 • 800 • 749 • 0362. Phone Hours: M-F: 9a.m.-6p.m (EST) GSA Contract #GS-35F-0049K

## **QUANTEX W-1500**

**Desktop Replacement Notebook** Pentium® III Processor 700MHz featuring Intel® SpeedStep™ Technology 15" XGA TFT Active Matrix Display 128MB PC100 SDRAM Memory 12GB Ultra ATA Hard Drive

Modular 8x Max Variable Speed DVD-ROM Drive ATI Mobility P Graphics w/8MB, TV-Out Quantex Deluxe Carrying Case Included! MS Windows 2000 Professional; Corel Office 2000 Upgrade to Microsoft Office 2000 SBE for \$129

ess lease:\$94/Mo., 36 Mos CI-QUOTE: csg08w39

## **QUANTEX W-1400**

2-Piece Powered Stereo Speakers

**Desktop Replacement Notebook** Pentium® III Processor 650MHz featuring Intel® SpeedStep™ Technology 14.1" XGA TFT Active Matrix Display 64MB PC100 SDRAM Memory 12GB Ultra ATA Hard Drive

Modular 8x Max Variable Speed DVD-ROM Drive ATI Mobility P Graphics w/8MB, TV-Out Quantex Deluxe Carrying Case Included! MS Windows 98 Second Edition; Corel Office 2000 Upgrade to Microsoft Office 2000 SBF for \$129

Business lease:\$80/Mo., 36 Mos. SI-QUOTE: csq08w01

## **QUANTEX W-1400**

## **Desktop Replacement Notebook**

Pentium® III Processor 600MHz featuring Intel® SpeedStep™ Technology 14.1" XGA TFT Active Matrix Display 64MB PC100 SDRAM Memory 6GB Ultra ATA Hard Drive

Modular 24x Max Variable Speed CD-ROM Drive

ATI Mobility P Graphics w/8MB, TV-Out Quantex Carrying Case Included!

MS Windows 98 Second Edition; Corel Office 2000 Upgrade to Microsoft Office 2000 SBE for \$129

Business lease:\$73/Mo., 36 Mos SI-QUOTE: csg08w18

1 • 800 • 749 • 0362

CLICK http://csg.quantex.com

GSA Contract #GS-35F-0049K







Quantex systems feature Windows 2000 Professional pre-installed for a whole new dimension in business computing with greater reliability, ease-of-use, performance and Internet integration than any other OS available.



Check out our full line of servers and appliances at www.quantex.com.

## **BUSINESS DESKTOPS**

Standard Features: 3.5" 1.44MB Floppy Drive, 2 USB Ports, 48x Max Variable Speed CD-ROM Drive, ATX Mid-Tower Case: Chassis-lock, Removable HD Chassis and Power Supply, 104-Key Keyboard, Microsoft Mouse, With Compiliant, DMI2.0, ACPI, Broadband Ready, 3-Yr. Limited Warranty, One-Year Limited On-Site Service\*, Toll-Free Technical Support

## **QUANTEX SB700t**

#### Sensible Business Desktop

Intel® Pentium® III Processor 700MHz
128MB High-Performance SDRAM Memory
15GB 7200rpm Ultra ATA Hard Drive
17\* High-Resolution Digital Monitor
nVidia TNT2 Vanta AGP Graphics, 16MB
Advanced Creative Labs Sound
Intel 10/100 PCI Fast Ethernet Adapter w/WOL
Microsoft Windows 2000 Professional

\$1299

Business lease: \$47/Mo., 36 Mos.

#### **OUANTEX SB667v**

## Sensible Business Desktop

Intel® Pentium® III Processor 667MHz 64MB High-Performance SDRAM Memory

10GB Ultra ATA-66 Hard Drive

17" High-Resolution Digital Monitor

Intel 2D/3D Graphics Accelerator Dynamic Wavetable Stereo Sound

10/100 PCI Fast Ethernet Adapter w/RJ-45

Microsoft Windows 98 Second Edition

\$979 21-QUOTE: csg08b20

## QUANTEX SB566c

#### Sensible Business Desktop

Intel® Celeron™ Processor 566MHz 64MB High-Performance SDRAM Memory

10GB Ultra ATA-66 Hard Drive

15" Digital Monitor w/ On-Screen Display Intel 2D/3D Graphics Accelerator Dynamic Wavetable Stereo Sound

10/100 PCI Fast Ethernet Adapter w/RJ-45
Microsoft Windows 98 Second Edition

\$799

SI-QUOTE: csq08b10

## PERFORMANCE WORKSTATIONS

## Standard Features: 3.5° 1.44MB Floppy Drive, 48x Max Variable Speed CD-ROM Drive, Altec Lansing ACS-21W Speakers, MS Natural Keyboard Elite, MS IntelliMouse, WTM Compliant, DMI2.0, Broadband Ready, 3-Yr. Limited Warranty, One-Year Limited On-Site Service\*, Toll-Free Technical Support

## **QUANTEX ZX866x**

## Leading-Edge Technology

Intel® Pentium® III Processor 866MHz
Dual-Processor Upgradeable
128MB RDRAM Memory (2GB max.)
18GB Ultra160/LVD SCSI Hard Drive
Adaptec Ultra160/LVD SCSI Controller
Intel 10/100 PCI Fast Ethernet Controller w/WOL

21" Monitor w/ On-Screen Display (20" vis, .26dp)
3DLabs Oxygen GVX1 3D AGP Graphics, 32MB
Advanced Creative Labs Sound

Microsoft Windows 2000 Professional

Business lease: \$121/Mo., 36 Mos.

## **QUANTEX ZX800s**

## Leading-Edge Technology

Intel® Pentium® III Processor 800MHz

Dual-Processor Upgradeable

128MB ECC SDRAM (1GB Max) 9GB Ultra160/LVD SCSI Hard Drive

Adaptec Ultra160/LVD SCSI Controller Intel 10/100 PCI Fast Ethernet Controller w/WOL 19" High-Resolution Digital Monitor

3DLabs Oxygen VX1 3D AGP Graphics, 32MB

Advanced Creative Labs Sound
Microsoft Windows 2000 Professional

Business lease: \$91/Mo., 36 Mos.

## **OUANTEX ZX750t**

## Leading-Edge Technology

Intel® Pentium® III Processor 750MHz
Dual-Processor Upgradeable
128MB ECC SDRAM (1GB Max)
30GB 7200rpm Ultra ATA-66 Hard Drive
Intel 10/100 PCI Fast Ethernet Controller w/WOI
19" High-Resolution Digital Monitor
3DLabs Oxygen VX1 3D AGP Graphics, 32MB
Advanced Creative Labs Sound

Microsoft Windows 2000 Professional

Upgrade to 21" Monitor for \$249 **\$1999** 

Business lease: \$73/Mo., 36 Mos.

## **SERVERS**

Standard Features: 3.5" 1.44MB Floppy Drive, ISC Management Console, Emergency Management Port, 3-Yr. Limited Warranty, One Year Limited On-Site Service", Toll-Free Dedicated Hardware Technical Support

## **QUANTEX QX4100**

#### Reliable E-Business Server

Intel® Pentium® III Processor 750MHz

Dual-Processor Upgradable

Tower Case (5U Rack-Mount Upgrade Available)

128MB ECC SDRAM (2GB Max)

9GB Ultra2/LVD SCSI Drive (360GB Max.)

Intel EtherExpress Pro 100 Ethernet Adapter

Dual Channel Ultra2/LVD SCSI Controller

48X Max Variable Speed CD-ROM
Dual Peer PCI Buses; 6PCI, 1 ISA Slot

5 Hot-Swap RAID Capable Drive Bays (upgradable to 10)

300 Watt Power Supply

**\$1999** 

Business lease starting at: \$73/Mo., 36 Mos.

## 2.114 - 000 - 740 - 0202

## **QUANTEX IS2000**

## 2U Scalable Internet Server

Intel® Pentium® III Processor 700MHz

Dual-Processor Upgradable Compact 2U Rack-Server Design

128MB ECC SDRAM (2GB Max) 9GB Ultra2/LVD SCSI Drive (220GB Max.)

Dual Intel Pro/100 NICs w/Adapter Fault Tolerance and Adaptive Load Balancing

Slimline CD-ROM

Two Full-Size 32-bit PCI Slots; Ultra2/LVD SCSI Controller

4 Hot-Swap RAID Capable Drive Bays

275 Watt Power Supply

Red Hat Linux w/Apache Web Server

## **\$2599**

Business lease starting at: \$94/Mo., 36 Mos.

## **QUANTEX IS1000**

#### 1U High-Density Internet Server

Intel® Pentium® III Processor 700MHz
Headless Installation for Mass Server Deployment
Compact 1U Rack-Server Design

128MB ECC SDRAM (1GB Max) 10GB 7200rpm Ultra ATA 66 Hard Drive

Dual Intel Pro/100 NICs w/Adapter Fault Tolerance and Adaptive Load Balancing

Two 32-bit PCI Slots (1 Low-Profile)
Single Screw Access to Top Cover: To

Red Hat Linux w/Apache Web Server

Single Screw Access to Top Cover; Tool-Less Access to Hard Drives 125 Watt Low-Consumption Power Supply

\$1899

Business lease: \$69/Mo., 36 Mos.

Call 1 • 800 • 749 • 0362. Phone Hours: M-F: 9a.m.-6p.m (EST) GSA Contract #GS-35F-0049K 1 • 800 • 749 • 0362

CLICK http://csg.quantex.com

GSA Contract #GS-35F-0049K





e2000 Quantex Microsystems, Inc. @ All Rights Reserved. Quantex Microsystems, Inc. 400B Pierce Street, Somerset NJ 08873. Sales Hours: M-F.9a.m.-6p.m. (EST), Buyer's rights in their entirety are contained in Quantex Microsystem's Limited Warranty a free copy of which may be obtained by writing Quantex at Quantex Microsystems, Inc., 400B Pierce st., Somerset NJ 08873 or calling (B00) 481 7328. Other peripherals such as monitors, printers, joysticks, etc., are covered by manufacturer's warranty. On-site service is and attainable for diagnostic purposes, a diagnostic valuable for fraction remote areas. No on-site service is and attainable for diagnostic purposes, a diagnostic valuable for diagnostic valuable for diagnostic purposes, and in the service is and valuable for diagnostic purposes, and in the service is available for diagnostic purposes, and in the service is available for diagnostic purposes, and in the service is available for diagnostic purposes, and in the service is available for diagnostic purposes, and in the service is available for diagnostic purposes, and in the service is available for diagnostic purposes, and in the service is available for diagnostic purposes, and in the service is available for diagnostic purposes, and in the service is available for diagnostic purposes, and in the service is available for diagnostic purposes, and in the service is available for diagnostic purposes, and in the service is available for diagnostic purposes, and in the service is available for diagnostic purposes, and in the service is available for diagnostic purposes. The service is available for diagnostic purposes, and in the service is available for diagnostic purposes. The service is available for diagnostic purposes and in the service is available for diagnostic purposes. The service is available for diagnostic purpose is available for diagnostic purpose in the service is available for diagnostic purpose in the service is available for diagnostic purpose in the service is available for diagnostic purpos

